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STATION LIST R.R.S. 'WILLIAM SCORESBY' 1931—1938

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DISCOVERY INVESTIGATIONS STATION LIST

R.R.S. 'WILLIAM SCORESBY'

1931–1938

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DISCOVERY INVESTIGATIONS
STATION LIST

R.R.S. 'WILLIAM SCORESBY'

1931–1938

(Plates XXXIV–XXXVII)

INTRODUCTION

PARTICULARS of the earlier observations made by the R.R.S. 'William Scoresby' up to St. WS 575 (26 March 1931) were included in the Station Lists already published in vols. I, III and IV of the *Discovery Reports*. Subsequent lists contained only particulars of observations made by the R.R.S. 'Discovery II' between October 1931 and May 1939 (*Discovery Reports*, vols. XXI, XXII and XXIV). The present list gives particulars of the observations made by the 'William Scoresby' between April 1931 and February 1938.

In the early part of this period (from April to September 1931) the 'William Scoresby' carried out an oceanographical survey of the Peru Coastal Current, during which many stations (WS 576–748) were (with a few exceptions) worked off the coasts of Chile and Peru. This work on the Peru Current was followed by a trawling survey of the Patagonian Continental Shelf (Sts. WS 749–882, from September 1931 to April 1932)—the third trawling survey carried out by the 'William Scoresby' in these waters. Particulars of the earlier surveys have already been given in the Station Lists published in vols. I and III.

From 1934 to 1938 the 'William Scoresby' was engaged in marking whales in the Antarctic. Four commissions, each of approximately seven months, enabled the ship to spend about four months on the pelagic whaling grounds each season. Opportunities for oceanographical work were few, but a certain number of hydrological observations, to a depth of 400 m., were made during the first three commissions. A limited number of biological observations, mainly with towed nets, were also made throughout all the whale-marking commissions. These biological and hydrological observations were recorded under station numbers in the usual way.

In the 'William Scoresby' lack of adequate facilities normally prevents chemical analysis of water samples on board. It would be impossible at any time to carry out the full series of analyses which are part of the normal routine in the 'Discovery II', but, for the period of the Peru Coastal Current Survey, temporary arrangements were made so that estimations of phosphate and dissolved oxygen could be carried out on board. These arrangements were not, however, wholly satisfactory and the results obtained should be used with caution. It is probable, though, that in most cases the errors are slight. On the other hand, samples taken for the determination of salinity can be kept almost indefinitely and those taken during the Peru Survey were therefore stored on board and titrated in a shore laboratory at a later date. The accuracy of the figures for salinity conforms, therefore, to our normal standard.

The abbreviations which denote the nature of the bottom are those now used by the Hydrographic Department of the Admiralty.[1] Of these the following appear in this station list:

b	blue	f	fine	M	mud	Sh	shells
bl	black	G	gravel	Oz	ooze	sk	specks, speckled
br	brown	gn	green	P	pebbles	Sn	shingle
c	coarse	gy	grey	R	rock	St	stones
Cy	clay	h	hard	S	sand	v	volcanic
d	dark	lt	light				

$\dot{-}$ placed above the figure for the sounding indicates that bottom was not reached.

An asterisk following the figure for the sounding indicates that the depth was obtained by echo sounding.

[1] See Chart No. 5011, *Explanation of signs and abbreviations as shown on the charts issued by the Hydrographic Department, Admiralty*. Hydrographic Department, Admiralty, 1946.

In conformity with our later practice (see Station Lists, vols. XXI, XXII and XXIV) the force of the wind is given as the velocity in knots. The state of the sea is expressed as a number in the Douglas Sea Scale, which is as follows:

STATE OF SEA

Scale number	Description
0	Calm
1	Smooth
2	Slight
3	Moderate
4	Rough
5	Very rough
6	High
7	Very high
8	Precipitous
9	Confused

The following symbols are used to denote the state of the weather:

b blue sky whether with clear or hazy atmosphere, or sky not more than one-quarter clouded.
bc sky between one-quarter and three-quarters clouded.
c mainly cloudy (not less than three-quarters covered).
d drizzle or fine rain.
e wet air without rain falling.
f fog.
fe wet fog.
h hail.
m mist.
o overcast sky (i.e. the whole sky covered with unbroken cloud).
p passing showers.
q squalls.
r rain.
rs sleet (i.e. rain and snow together).
s snow.
v unusual visibility.

Time is expressed in the 24-hour system ending with midnight (0000). The difference of ship's time from Greenwich mean time (GMT) is noted in the 'Remarks' column, this difference holding good until another entry is made. Times in heavy type refer to biological observations made between sunset and sunrise.

The following symbols are used for nets, apparatus, etc.:

B Oblique.
BNR Russell's bottom tow-net. A 1 m. stramin net (N 100) on a rectangular frame attached to skids which raise it clear of the bottom.
BTS Small beam trawl. Beam 8 ft. (2·45 m.) in length: mesh at cod-end ½ in. (1·25 cm.).
DC Conical dredge. Mouth 16 in. (40·5 cm.) in diameter, with canvas bag.
H Horizontal.
KT Kelvin sounding tube.
LB Leather bucket.
LH Hand lines.
N 4–T, N 7–T Nets of 4 mm. (0·16 in.) or 7 mm. (0·28 in.) mesh attached to the back of trawl.
NCS–T Tow-net of coarse silk (16 meshes to the linear inch) attached to back of trawl.
N–T Net (mesh not specified) attached to back of trawl.
N 50 50 cm. silk tow-net. Mouth circular, 50 cm. (19·5 in.) diameter: 200 meshes to the linear inch.
N 70 70 cm. tow-net. Mouth circular, 70 cm. (27·5 in.) diameter: mesh graded, at cod-end of silk with 74 meshes to the linear inch.

N 100	1 m. tow-net. Mouth circular, 1 m. (3·3 ft.) diameter: mesh graded, at cod-end of stramin, with 10–12 meshes to the linear inch.
NH	Hand net.
NHP	A modification of Harvey's phytoplankton net.[1] The apparatus measures the volume of water filtered through a small sleeve-shaped silk net of 200 meshes to the linear inch.
OTC	Commercial otter trawl. Head rope 80 ft. (24·5 m.) long: mesh at cod-end $1\frac{1}{2}$ in. (3·8 cm.).
TYF	Young fish trawl. A bag of stramin, with 10–12 meshes to the linear inch, attached to a circular frame 2 m. (6·6 ft.) in diameter. With bucket at cod-end.
V	Vertical.

To the symbols for tow-nets (N 100, N 70, N 50 and TYF) B, H or V is always added to indicate whether the haul was made obliquely, horizontally or vertically. For determining the depths of horizontal and oblique nets, Kelvin sounding tubes were used. Their use is indicated by the appropriate symbol in the 'Remarks' column; where the tube failed to register the depth was estimated and is noted as such. When the depth of termination of an oblique haul is written (–0) it should be understood that the net failed to close at some intended intermediate depth and fished all the way to the surface.

At the end of the list (p. 280) will be found a Summary of the Stations made by the R.R.S. 'William Scoresby' from April 1931 to February 1938, with references to the charts (Plates XXXIV–XXXVII) on which the station positions are marked.

[1] See Harvey, H. W., 1934, *Measurement of Phytoplankton population*, Journ. Mar. Biol. Assoc., N.S. XIX, pp. 761–73.

R.R.S. 'WILLIAM SCORESBY'
PERU CURRENT
STATIONS WS 576–748

17. iv. 1931—16. ix. 1931

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 576	51° 35′ S, 57° 49·8′ W Berkeley Sound, East Falkland	17 iv	0816 0950	34* 24*	SW	4–6	—	0	or	1023·9	7·2	6·7	—
WS 577	51° 13·6′S, 57° 45·4′ W	20 iv	2200	86*	W × S	4–6	W	2	c	1015·1	6·7	6·5	low long W × S swell
WS 578	51° 14·8′ S, 62° 50′ W	21 iv	2105	168*	NW	17–27	NW	4	c	1008·9	9·4	8·3	mod. av. W × N swell
WS 579	52° 19·6′ S, 67° 47′ W	22 iv	2022	79*	NNW	11–16	NNW	3	c	996·9	10·0	8·3	low long swell
WS 580	53° 04·8′ S, 70° 40·7′ W Magellan Strait, off Punta Arenas(Magellanes)	23 iv	1410	102*	SW × W	7–10	SW	1	c	1001·9	10·8	7·8	no swell
WS 581	53° 39′ S, 70° 49′ W Magellan Strait	30 iv	1124	—	SW	34–40	SW	3	bc	1004·5	10·0	8·3	mod. short SW swell
WS 582	53° 42·5′ S, 70° 55′ W	30 iv	1420 1436 1451 1504 1520	— 110* 223* 198* 112*	SW	11–16	SW	3	c	1007·5	8·6	8·3	low av. SW swell
	Port Famine, Magellan Strait		1700	12*									
WS 583	53° 39′ S, 70° 54·5′ W Magellan Strait	2 v	0657 0730	62* 78*	W × N	7–10	W	1–2	c	999·3	10·0	7·8	—
WS 584	53° 55′ S, 71° 16′ W Magellan Strait	2 v	1134	—	WNW	34–47	WNW	4	omrq	991·9	7·2	6·7	mod. short WNW swell
WS 585	53° 31·3′ S, 72° 39·3′ W Magellan Strait	4 v	1340	—	SW	4–6	SW	0–1	or	1007·0	4·4	3·9	—
WS 586	48° 27·5′ S, 74° 23·5′ W Connor Inlet	8 v	1800	22*	—	0	—	0	bc	1008·3	5·6	5·0	—
WS 587	46° 14·5′ S, 75° 55·6′ W	10 v	2000	—	S	7–10	S	4	bc	1023·1	7·2	6·7	mod. long S swell
WS 588	42° 42′ S, 75° 21′ W	11 v	2000	—	E	11–16	SE	3	bc	1031·4	8·9	8·9	mod. av. S × E swell
WS 589	38° 04′ S, 73° 52′ W	15 v	2000	—	W	4–6	—	0	b	1021·5	11·1	8·3	low long S swell
WS 590	1½ cables E of Naval Pier, Talcahuano Harbour, Chile	16 v	1400	8	NE	1–6	—	0	b	1020·0	10·0	8·3	—
WS 591	35° 47′ S, 72° 39′ W	18 v	1258	27 f.gy.S	—	0	—	0	o	1022·9	12·2	10·0	low long SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 576	0	—	—	—	—	—	—	**OTC**	34–24	0840	0950	+3 hours. Sandy bottom
WS 577	3	0	8·60	—	—	—	—	**N 70 B** / **N 100 B**	91–0	**2223**	**2243**	+4 hours KT. Suspected of fishing near bottom
WS 578	4	0	7·80	—	—	—	—	**N 100 B**	160–0	**2113**	**2128**	KT
								N 70 B / **N 100 B**	128–0	**2147**	**2207**	KT
								N 50 V	100–0	**2224**	**2226**	
WS 579	5	0	9·80	—	—	—	—	**N 70 B** / **N 100 B**	79–0	**2037**	**2057**	KT. +5 hours
								N 50 V	70–0	**2115**	**2117**	
WS 580	6	0	8·36	—	—	—	—	**N 70 B** / **N 100 B**	90–0	1422	1444	KT
								N 50 V	100–0	1453	1455	
WS 581	12	0	7·90	—	—	—	—	**N 70 B** / **N 100 B**	172–0	1144	1205	KT. Strong wind and much lateral drift
WS 582	13	0	7·95	—	—	—	—	**BTS**	110	1436	1531	Trawl did not appear to have fished on the bottom
								LH	12	**1700**	**1800**	
								NH	12	**1700**	**1800**	Hand net used frequently during this period
WS 583	14	0	7·90	—	—	—	—	**BTS**	14–78	0700	0730	Muddy bottom
WS 584	15	0	8·01	—	—	—	—	**N 70 B** / **N 100 B**	84–0	1148	1208	KT
WS 585	16	0	8·02	—	—	—	—	**N 70 B** / **N 100 B**	140–0	1353	1413	KT
								N 50 V	90–0	1422	1424	Stray on wire
WS 586	20	0	8·18	12·57	9·76	0·13	—	**LH**	22	**1800**	**2200**	
								NH	0	**1800**	**2200**	Hand net used frequently during this period
WS 587	23	0	11·70	33·37	25·40	0·38	—	**N 70 B** / **N 100 B**	78–0	**2020**	**2041**	KT
								N 50 V	100–0	**2058**	**2100**	
WS 588	24	0	12·73	33·35	25·19	0·44	—	**N 50 V**	100–0	**2013**	**2015**	
								N 70 B / **N 100 B**	100–0	**2035**	**2055**	Depth estimated
								N 100 B	265–100	**2035**	**2105**	Depth estimated
WS 589	28	0	10·67	34·21	26·24	0·61	—	**N 50 V**	100–0	**2009**	**2011**	
								N 70 B / **N 100 B**	91–0	**2025**	**2044**	KT
WS 590	28	0	11·20	34·25	26·17	1·24	—	**N 70 B**	7–0	1400	1402	
		5	11·20	34·32	26·23	1·37	—	**N 50 B**	7–0	1413	1415	
WS 591	1	0	11·70	34·25	26·08	1·41	5·15	**N 70 H**	0–5	1321	1341	
		10	11·20	—	—	1·48	—	**N 100 H**	0–5	1322	1340	
		20	11·45	34·49	26·31	1·33	3·99	**N 50 H**	0–5	1325	1327	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 592	35° 46′ S, 72° 42·5′ W	1931 18 v	1351	60*	E	1–6	—	0	bc	1023·0	12·8	10·2	—
WS 593	35° 36′ S, 72° 44′ W	18 v	1622	44*	NW × N	4–6	NW × N	2	o	1022·6	11·7	10·6	low long SW swell
WS 594	35° 36′ S, 72° 50′ W	18 v	1748	55*	Lt airs	0–3	—	0	or	1021·1	11·7	10·6	low long SW swell
WS 595	35° 35·2′ S, 72° 56′ W	18 v	1921	124*	Lt airs	0–3	—	0	o	1022·6	12·2	10·6	low long SW swell
WS 596	35° 35·6′ S, 73° 07·5′ W	18–19 v	2157	369 d.M	Lt airs	0–3	—	0	or	1022·6	12·2	10·6	low short to low long E swell
WS 597	35° 39·7′ S, 73° 19·5′ W	19 v	0630	1593 d.gy.M	NNE	11–16	NNE	3	op	1024·5	11·7	11·2	mod. av. SW swell
WS 598	35° 43′ S, 73° 32′ W	19 v	1025	2308 G.gn.M	NNE	11–16	NNE	3	op	1027·3	11·7	11·1	—

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 592	1	0	11·46	34·39	26·24	2·83	—	**N 50 V**	50–0	1359	1360	
		10	11·32	34·41	26·28	2·60	—	**N 70 B**	41–0	1429	1449	KT
		20	11·30	34·48	26·34	2·59	—	**N 100 B**				
		30	11·27	34·49	26·34	2·57	—					
		40	11·23	34·55	26·41	2·41	—					
		50	11·20	34·56	26·41	2·64	—					
WS 593	1	0	11·45	34·11	26·02	2·05	5·16	**N 50 V**	40–0	1629	1630	
		10	11·45	34·45	26·28	2·32	—	**N 70 B**	30–0	1700	**1720**	**N 100 B** touched bottom
		20	11·40	34·50	26·33	2·41	2·39	**N 100 B**				
		30	11·38	34·52	26·35	3·14	—					
		37·5	11·37	34·53	26·36	3·33	2·08					
WS 594	1	0	11·69	34·43	26·23	2·41	—	**N 50 V**	40–0	**1755**	**1757**	
		10	11·60	34·43	26·24	2·30	—	**N 70 B**	58–0	**1832**	**1855**	KT
		20	11·60	34·45	26·25	2·79	—	**N 100 B**				
		30	11·51	34·45	26·27	2·66	—					
		40	11·45	34·51	26·33	2·30	—					
		50	11·40	34·53	26·36	3·14	—					
WS 595	1	0	11·62	34·43	26·24	1·98	3·95	**N 50 V**	100–0	**1943**		
		10	11·59	34·40	26·22	2·22	—	**N 70 V**	50–0			
		20	11·56	34·38	26·21	2·32	3·73	,,	100–50	—	**2015**	
		30	11·48	34·46	26·28	2·41	—	**N 70 B**	88–0	**2043**	**2103**	KT
		40	11·42	34·53	26·35	2·53	1·12	**N 100 B**				
		50	11·40	34·58	26·40	2·97						
		60	11·41	34·60	26·40	2·97	0·50					
		80	11·26	34·64	26·47	3·14						
		100	11·02	34·63	26·50	3·14	0·29					
WS 596	1	0	11·85	34·29	26·08	2·41	—	**N 50 V**	100–0	**2210**	**2212**	
		10	11·89	34·30	26·08	2·41	—	**N 70 B**	91–0	**2348**	**0008**	KT
		20	11·80	34·30	26·10	2·41	—	**N 100 B**				
		30	11·56	34·40	26·22	2·66	—	**N 100 B**	240–90	**2348**	**0020**	Depth estimated
		40	11·42	34·47	26·31	2·66						
		50	11·51	34·51	26·32	2·79						
		60	11·31	34·55	26·39	2·79						
		80	11·28	34·60	26·43	2·79						
		100	11·27	34·53	26·38	2·66						
		150	10·90	34·65	26·54	2·97						
		200	10·23	34·64	26·65	2·66						
		300	8·83	34·59	26·85	2·66						
WS 597	2	0	12·36	34·23	25·94	1·35	5·66	**N 50 V**	100–0	0643	0645	
		10	12·38	34·23	25·93	1·35	—	**N 70 B**	75–0	0902	0921	KT
		20	12·35	34·24	25·96	1·43	5·58	**N 100 B**				
		30	12·05	34·33	26·07	1·43	—	**N 100 B**	210–75	0902	0931	Depth estimated
		40	11·70	34·49	26·26	1·46	1·40					
		50	12·01	34·68	26·36	3·33						
		60	12·02	34·72	26·39	2·97	0·32					
		80	11·99	34·73	26·40	3·33						
		100	11·48	34·70	26·47	3·14	0·38					
		150	11·35	34·72	26·51	3·33						
		200	11·05	34·73	26·58	2·97	0·41					
		300	9·42	34·61	26·77	2·97						
		400	8·18	34·52	26·89	2·79	1·12					
		600	6·11	34·39	27·08	2·05						
		800	4·74	34·36	27·22	2·40	2·58					
		1000	4·06	34·43	27·34	2·53						
		1500	2·98	34·60	27·59	2·57	3·91					
WS 598	2	0	12·12	34·22	25·97	1·46	—	**N 50 V**	100–0	1156	1158	
		10	12·18	34·34	26·07	1·46	—	**N 70 B**	66–0	1241	1259	KT
		20	12·03	34·32	26·08	1·50	—	**N 100 B**				
		30	11·96	34·36	26·12	1·90	—	**N 100 B**	190–65	1241	1310	Depth estimated

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 598 *cont.*	35° 43′ S, 73° 32′ W	19 v											
WS 599	35° 41·5′ S, 73° 43′ W	19 v	1406	3264 gn.M	ESE	7–10	ESE	2	bc	1025·2	12·8	11·1	mod. short to mod. av. SW swell
WS 600	35° 40′ S, 73° 55′ W	19 v	1915	—	SW	7–10	SW	3	b	1027·3	12·2	11·1	low long SW swell
WS 601	35° 30·5′ S, 74° 18′ W	20 v	0009	5170	SSE	7–10	S	3	b	1025·1	12·2	11·1	low short to low long S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 598 *cont.*	2	40	11·59	34·47	26·27	2·53						
		50	11·49	34·55	26·36	2·47						
		60	11·48	34·60	26·39	2·66						
		80	11·48	34·69	26·46	2·97						
		100	11·26	34·70	26·52	2·97						
		150	10·92	34·69	26·56	2·97						
		200	10·25	34·66	26·66	2·97						
		300	8·95	34·61	26·84	3·80						
		400	7·23	34·43	26·95	3·55						
		600	4·98	34·34	27·18	3·33						
		800	4·19	34·39	27·31	3·14						
		1000	3·61	34·50	27·45	3·14						
		1500	2·65	34·61	27·64	3·55						
		2000	2·16	34·64	27·70	3·33						
WS 599	2	0	12·87	34·13	25·76	1·63	5·80	**N 50 V**	100–0	1550	1552	
		10	12·82	34·15	25·80	1·63	—	**N 70 B**	84–0	**1754**	**1816**	Depth estimated
		20	12·59	34·19	25·87	1·77	5·35	**N 100 B**				
		30	12·58	34·20	25·87	1·90	—	**N 100 B**	230–85	**1754**	**1822**	Depth estimated
		40	12·00	34·12	25·93	1·90	4·89					
		50	11·61	34·07	25·96	1·77						
		60	11·36	34·31	26·19	2·53	4·03					
		80	10·74	34·30	26·30	2·79						
		100	10·68	34·49	26·45	2·79	0·87					
		150	10·30	34·58	26·59	3·14						
		200	9·60	34·58	26·71	3·33	2·51					
		300	8·32	34·50	26·85	3·33						
		400	6·95	34·41	26·98	3·33						
		600	5·31	34·26	27·07	3·33						
		800	4·38	34·31	27·22	3·80	3·88					
		1000	3·77	34·43	27·38	3·80						
		1500	3·04									
		2000	2·55	34·46	27·51	3·80						
		2500	1·92	34·67	27·73	3·80	3·18					
		3000	1·80									
WS 600	2	0	13·57	33·97	25·50	1·98	—	**N 50 V**	100–0	**2100**	**2102**	
		10	12·78	34·11	25·77	2·22	—	**N 70 B**	99–0	**2150**	**2210**	KT
		20	12·20	34·10	25·87	2·22	—	**N 100 B**				
		30	12·29	34·17	25·91	1·90	—	**N 100 B**	265–100	**2150**	**2216**	Depth estimated
		40	11·31	34·20	26·11	2·53						
		50	11·06	34·21	26·17	2·66						
		60	10·91	34·31	26·27	2·79						
		80	10·82	34·42	26·37	3·14						
		100	10·75	34·49	26·44	3·55						
		150	10·40	34·58	26·58	3·80						
		200	9·67	34·73	26·82	3·80						
		300	8·38	34·52	26·86	3·80						
		400	7·01	34·40	26·96	3·80						
		600	5·27	34·28	27·10	3·55						
		800	4·38	34·33	27·23	3·33						
		1000	3·80	34·36	27·32	3·33						
		1500	2·83	34·49	27·51	3·33						
		2000	2·24	34·61	27·66	3·14						
		2500	1·93	34·64	27·71	3·14						
		3000	1·84	34·67	27·74	3·14						
WS 601	2	0	13·65	33·87	25·41	0·36	3·14	**NH**	0	**0130**	**0430**	Hand net used frequently throughout station
		10	13·56	33·87	25·43	0·36	—	**N 50 V**	100–0	**0250**	**0252**	
		20	13·30	33·91	25·51	0·51	5·78	**N 70 B**	87–0	**0454**	**0517**	KT
		30	13·05	34·02	25·65	0·51	—	**N 100 B**				
		40	12·80	34·15	25·80	0·80	5·59	**N 100 B**	230–85	**0454**	**0527**	Depth estimated
		50	12·68									
		60	12·53	34·22	25·89	0·87	5·38					
		80	10·72	34·11	26·15	0·87						

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 601 *cont.*	35° 30·5′ S, 74° 18′ W	1931 20 v											
WS 602	32° 04·8′ S, 71° 34′ W	28 v	1308	75 Sh	SSW	4–6	S	2	bc	1020·2	13·9	12·2	mod. long to heavy short WSW swell
WS 603	32° 05′ S, 71° 40′ W	28 v	1502	278 R	SW	4–6	S × W	2	c	1019·7	13·3	12·2	mod. long WSW swell
WS 604	32° 05′ S, 71° 45·5′ W	28 v	1655	688 gy.M	E	4–6	E	2	c	1019·8	13·1	12·2	heavy long WSW swell
WS 605	32° 05′ S, 71° 50′ W	28 v	2037	1297 gy.M	E	4–6	E	2	c	1020·7	13·3	12·8	heavy long WSW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 601 *cont.*	2	100	10·98	34·30	26·25	1·46	2·15					Position of ship changed
		150	10·62	34·57	26·53	1·54						
		200	9·80	34·44	26·57	1·62	1·06					
		300	8·48	34·49	26·82	1·56						
		400	7·11	34·36	26·92	1·22	4·42					
		600	5·86	34·30	27·04	1·22	—	—	—	—	—	
		800	4·91	34·33	27·17	1·35	4·77	—	—	—	—	
		1000	4·11	34·35	27·29	1·35	—	—	—	—	—	
		1500	3·22	—	—	—	—	—	—	—	—	Heavy stray on wire
		2000	2·62	34·59	27·62	1·50	—	—	—	—	—	
		2500	2·13	34·66	27·71	1·50	2·92	—	—	—	—	
		3000	1·79	34·68	27·75	1·35	—	—	—	—	—	
WS 602	11	0	14·02	34·24	25·62	0·68	5·59	**N 50 V**	50–0	1335	1357	
		10	13·20	34·24	25·79	—	—	**N 70 B**	65–0	1358	1418	KT
		20	12·30	34·30	26·00	1·18	3·06	**N 100 B**				
		30	12·17	34·36	26·08							
		40	12·08	34·38	26·11	1·50	4·24					
		50	11·92	34·43	26·18							
		60	11·79	34·50	26·26	1·63	1·95					
WS 603	11	0	14·32	34·27	25·57	—	—	**N 50 V**	100–0	1535	1537	
		10	14·26	34·27	25·59	—	—	**N 70 B**	99–0	1557	1618	KT
		20	13·90	34·26	25·65	0·13	—	**N 100 B**				
		30	13·10	34·24	25·81							
		40	12·00	34·13	25·93	0·86						
		50	11·10	34·17	26·13							
		60	10·74	34·23	26·24	1·41						
		80	10·60	34·34	26·36							
		100	10·50	34·43	26·44	1·75						
		150	10·67	34·61	26·56							
		200	10·31	34·66	26·65	2·24						
		250	9·83	34·63	26·71							
WS 604	11	0	14·00	34·26	25·63	0·21	5·50	**N 50 V**	100–0	**1853**	**1855**	
		10	13·90	34·25	25·65	—	—	**N 70 B**	73–0	**1937**	**1957**	KT
		20	13·87	34·24	25·65	0·21	5·43	**N 100 B**				
		30	13·85	34·24	25·66	—	—	**N 100 B**	205–75	**1937**	**2005**	Depth estimated
		40	13·70	34·26	25·69	0·48	5·28					
		50	12·15	34·09	25·87							
		60	11·60	34·07	25·96	0·68	4·67					
		80	10·73	34·19	26·22							
		100	10·60	34·35	26·37	1·56	2·29					
		150	10·54	34·60	26·56							
		200	10·20	34·65	26·66	1·98	0·41					
		300	8·56	34·53	26·84							
		400	7·12	34·47	27·01	1·90	1·97					
		600	5·27	34·34	27·14	—	3·99					
WS 605	11	0	13·91	34·22	25·61	0·13	—	**N 50 V**	100–0	**2155**	**2157**	
		10	13·89	34·22	25·62	—	—	**N 70 B**	74–0	**2225**	**2245**	KT
		20	13·88	34·23	25·63	0·13	—	**N 100 B**				
		30	13·87	34·22	25·62	—	—	**N 100 B**	205–75	**2225**	**2254**	Depth estimated
		40	13·82	34·21	25·63	0·40						
		50	12·86	34·15	25·79							
		60	12·06	34·09	25·89	0·82						
		80	10·86	34·15	26·17							
		100	11·00	34·44	26·36	2·07						
		150	10·90	34·66	26·55							
		200	10·33	34·66	26·65	2·47						
		300	8·62	34·52	26·82							
		400	7·07	34·43	26·98	2·13						
		600	5·31	34·34	27·13							
		800	4·46	34·38	27·27	2·24						
		1000	3·84	34·42	27·35							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 606	32° 09·6′ S, 73° 32′ W	1931 29 v	0745	3530	S	7–10	S	2	.bc	1021·8	15·3	15·1	heavy long WSW swell
WS 607	32° 05·5′ S, 74° 04′ W	29 v	1716	—	S	11–16	S	3	o	1020·1	15·0	12·8	heavy long SW swell
WS 608	31° 57·5′ S, 73° 02′ W	30 v	0440	—	S	17–27	S	4	o	1017·5	13·9	11·9	heavy short S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 606	12	0	16·20	34·19	25·10	0·48	5·57	**N 70 V**	50–0	0920		
		10	16·19	34·19	25·11	—	—	,,	100–50			
		20	16·09	34·18	25·12	0·55	5·55	,,	250–100			
		30	16·03	34·19	25·14	—	—	,,	500–250	—	1100	
		40	16·00	34·19	25·15	0·61	5·47	,,	1000–750	1200		
		50	15·99	34·18	25·14	—	—	,,	750–500	—	1355	
		60	15·95	34·17	25·14	0·68	5·52	**N 50 V**	120–0	1358	1400	
		80	12·57	34·05	25·76	—	—	**N 70 B**	75–0	1422	1442	KT
		100	11·65	34·12	25·99	1·06	4·76	**N 100 B**				
		150	10·52	34·29	26·32	—	—	**N 100 B**	210–75	1422	1447	Depth estimated
		200	10·33	34·61	26·62	2·68	0·68					
		300	8·78	34·53	26·81							
		400	7·87	34·43	26·87	2·47	1·41					
		600	6·04	34·34	27·04							
		800	4·93	34·28	27·14	2·36	4·01					
		1000	4·22	34·37	27·29							
		1500	3·97	34·55	27·46	2·47	2·39					
		2000	3·77	34·41	27·36							
		2500	3·33	34·50	27·47	2·60	2·50					
		3000	2·95	34·51	27·52							
		3500	2·81	34·54	27·56	2·60	2·62					
WS 607	12	0	16·42	34·27	25·11	0·40	—	**N 50 V**	100–0	**1838**	**1840**	
		10	16·44	34·28	25·11	—	—	**N 70 B**	83–0	**2118**	**2139**	KT
		20	16·44	34·28	25·11	0·40	—	**N 100 B**				
		30	16·44	34·28	25·11	—	—	**N 100 B**	225–85	**2118**	**2150**	Depth estimated
		40	16·43	34·35	25·17	0·40						
		50	16·22	34·24	25·14							
		60	16·01	34·26	25·19	0·40						
		80	12·50	34·11	25·82							
		100	11·49	34·18	26·07	1·22						
		150	10·60	34·40	26·40							
		200	9·86	34·49	26·59	2·15						
		300	7·88	34·58	26·98							
		400	6·40	34·41	27·06	2·24						
		600	5·05	34·42	27·22							
		800	4·41	34·41	27·29	2·05						
		1000	3·75	34·41	27·36							
		1500	2·87	34·54	27·56	2·05						
		2000	2·42	34·61	27·64							
		2500	2·03	34·60	27·67	2·05						
		3000	1·86	34·71	27·78							
		3500	1·80	34·44	27·57	2·15						
WS 608	12	0	14·01	34·19	25·58	0·40	—	**N 50 V**	100–0	**0630**	**0632**	
		10	14·01	34·15	25·55	—	—	**N 70 B**	88–0	0828	0847	KT
		20	14·01	34·16	25·55	0·40	—	**N 100 B**				
		30	13·77	34·18	25·62	—	—	**N 100 B**	235–90	0828	0856	Depth estimated
		40	13·61	34·33	25·76	0·55						
		50	13·50	34·21	25·70							
		60	13·32	34·20	25·72	0·82						
		80	12·08	34·28	26·04							
		100	11·52	34·37	26·21	1·50						
		150	10·50	34·47	26·47							
		200	10·13	34·56	26·60	2·24						
		300	9·00	34·56	26·79							
		400	8·34	34·50	26·85	2·36						
		600	8·46	34·55	26·88							
		800	6·90	34·42	26·99	2·36						
		1000	5·58	34·31	27·08							
		1500	4·56	34·44	27·31	2·13						
		2000	3·45	34·55	27·51							
		2500	2·41	34·61	27·66	2·13						
		3000	2·04	34·64	27·71							
		3500	1·88	34·70	27·77	2·13						

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 609	31° 51·2′ S, 72° 34′ W	30 v	1120	—	S	17–27	S	4	o	1016·9	13·3	11·7	heavy short S swell
WS 610	31° 45·5′ S, 72° 01·5′ W	30 v	1840	2487 br.M	S	7–10	S	4	o	1018·1	13·3	11·7	heavy av. S × W swell
WS 611	29° 11′ S, 71° 42·5′ W	3 vi	2000	—	NE	4–6	—	o	b	1018·4	14·4	14·4	low long SW swell
WS 612	27° 08·5′ S, 72° 01·5′ W	4 vi	1117	5861 R	WSW	4–6	SW	3	b	1017·6	16·1	13·9	low long WSW swell
		6 vi	1701	—	W	4–6	W	1	c	1019·3	15·0	14·9	low long WSW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 609	12	0	14·25	34·28	25·60	0·55	5·63	**N 50 V**	100–0	1315	1317	
		10	14·24	34·29	25·60	—	—	**N 70 V**	50–0	1325		
		20	14·24	34·25	25·57	0·61	5·47	,,	100–50			
		30	14·20	34·25	25·58	—	—	,,	250–100			
		40	13·90	34·25	25·65	0·61	5·42	,,	500–250			
		50	13·60	34·29	25·74	—	—	,,	750–500			
		60	12·14	34·27	26·02	0·87	4·17	,,	1000–750			
		80	11·16	34·26	26·19	—	—	,,	250–200	—	1525	
		100	10·78	34·27	26·27	1·50	2·72	**N 70 B**	86–0	1546	1606	KT
		150	11·35	34·73	26·52	—	—	**N 100 B**				
		200	10·70	34·67	26·59	1·77	0·54	**N 100 B**	230–85	1546	1614	Depth estimated
		300	9·11	34·59	26·80							
		400	7·75	34·44	26·90	1·98	1·45					
		600	5·72	34·27	27·03							
		800	4·69	34·34	27·21	2·15	3·02					
		1000	4·11	34·41	27·33							
		1500	2·99	34·53	27·54	2·05	2·33					
		2000	2·43	34·57	27·61							
		2500	2·03	34·57	27·65	1·98	2·99					
		3000	1·87	34·63	27·71							
		3500	1·83	34·63	27·71	1·98	3·06					
WS 610	13	0	14·00	34·25	25·62	0·70	—	**N 50 V**	100–0	**2018**	**2020**	
		10	14·00	34·25	25·62	—	—	**N 70 B**	56–0	**2100**	**2120**	KT
		20	14·00	34·23	25·60	0·78	—	**N 100 B**				
		30	14·00	34·23	25·60	—	—	**N 100 B**	170–55	**2100**	**2127**	Depth estimated
		40	13·96	34·21	25·60	0·63						
		50	13·49									
		60	11·85	34·02	25·88	0·84						
		80	11·90	34·21	26·01							
		100	11·11	34·31	26·24	1·33						
		150	10·50	34·55	26·54							
		200	10·28	34·62	26·64	1·82						
		300	9·00	34·56	26·79							
		400	7·50	34·46	26·94	2·47						
		600	5·42	34·42	27·18							
		800	4·66	34·46	27·31	2·60						
		1000	4·14	34·61	27·49							
		1500	2·85	34·33	27·38	1·56						
		2000	2·26	34·55	27·62							
		2500?	1·92	—	—	—	—	—	—	—	—	Water-bottle struck bottom
WS 611	17	0	15·03	34·60	25·67	—	—	**N 70 B**	87–0	**2024**	**2045**	KT
								N 100 B				
								N 100 B	230–85	**2024**	**2054**	Depth estimated
								N 50 V	100–0	**2108**	**2110**	
WS 612	18	0	16·61	34·43	25·18	0·13	5·37	**N 50 V**	100–0	1655	1657	Position re-visited on 6. vi. 31 when observations from 3500 m. to bottom were taken
		10	16·58	34·45	25·20	0·13	—	**N 70 V**	50–0	1710		
	20	20	16·55	34·45	25·21	0·13	5·35	,,	100–50			
		30	16·53	34·43	25·20	0·13	—	,,	250–50	—	**1730**	
		40	16·50	34·43	25·22	0·13	5·28	,,	250–0	**2010**		
		50	16·48	34·45	25·23	0·13	—	,,	250–100			
		60	15·47	34·38	25·41	0·70	5·15	,,	500–250			
		80	13·02	34·33	25·88	1·27	—	,,	750–500			
		100	12·34	34·30	26·00	1·27	3·10	,,	1000–750	—	**2230**	
		150	11·83	34·65	26·36	1·56	—	**N 70 B**	69–0	**2253**	**2315**	KT
		200	11·32	34·73	26·53	2·03	0·26	**N 100 B**				
		300	9·57	34·62	26·76	—	—	**N 100 B**	195–70	**2253**	**2328**	Depth estimated
		400	8·10	34·52	26·90	2·13	0·91					
		600	5·91	34·37	27·09							
		800	5·05	34·41	27·22	2·20	1·85					
		1000	4·24	34·45	27·34							
		1500	3·74	34·46	27·40	2·13	1·88					
		2000	2·65	34·58	27·61							
		2500	2·17	34·63	27·69	2·13	2·90					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 612 *cont.*	27° 08·5′ S, 72° 01·5′ W	1931 6 vi											
WS 613	27° 05·5′ S, 70° 58′ W	5 vi	0640	134 f.d.S	ESE	4–6	ESE	1	c	1018·4	12·8	11·1	low long SW swell
WS 614	27° 06·5′ S, 71° 00·7′ W	5 vi	0826	296 bl.G	ESE	4–6	ESE	1	c	1018·2	11·7	11·1	low long SW swell
WS 615	27° 05·5′ S, 71° 04′ W	5 vi	1119	1132 R	ESE	4–6	ESE	1	c	1018·1	15·6	12·8	low long SW swell
WS 616	27° 08′ S, 71° 10′ W	5 vi	1511	1768 gn.M	WNW	1–6	—	·0	b	1016·5	15·0	12·8	low long SW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 612 *cont.*	18	3000	1·83	34·66	27·73							
		3500	1·74	34·70	27·77	2·79	2·92	—	—	—	—	Phosphate results estimated 4 days later
		4000	1·72	34·71	27·79	—	—	—	—	—	—	
		4500	1·75	34·70	27·77	2·53	—	—	—	—	—	
		5000	1·77	34·66	27·74							
		5500	1·81	34·68	27·75	2·13						
WS 613	19	0	13·10	34·35	25·90	1·41	—	**N 50 V**	100–0	0735	0737	
		10	13·10	34·37	25·91	—	—	**N 70 B**	84–0	0750	0814	KT
		20	12·92	34·50	26·04	1·50	—	**N 100 B**				
		30	12·69	34·56	26·13							
		40	12·60	34·68	26·24	2·34						
		50	12·55	34·70	26·26							
		60	12·51	34·72	26·29	2·45						
		80	12·46	34·74	26·32							
		100	12·28	34·78	26·38	2·45						
		130	12·00	34·80	26·46	2·57						
WS 614	19	0	13·45	34·31	25·79	1·20	—	**N 50 V**	100–0	0830	0832	
		10	13·45	34·36	25·82	1·22	—	**N 70 V**	50–0	0955		
		20	13·40	34·35	25·83	1·22	4·79	,,	100–50			
		30	12·66	34·59	26·16	1·82	—	,,	290–100	—	1015	
		40	12·52	34·72	26·29	2·05	4·54	**N 70 B**	86–0	1039	1059	KT
		50	12·49	34·76	26·32	2·24	—	**N 100 B**				
		60	12·45	34·77	26·34	2·20	0·48	**N 100 B**	230–85	1039	1106	Depth estimated
		80	12·38	34·84	26·41	2·20						
		100	12·31	34·79	26·39	2·20	0·43					
		150	11·87	34·83	26·50	2·24						
		200	11·43	34·79	26·55	2·24	0·23					
		284	10·35	34·85	26·79							
WS 615	19	0	14·20	34·31	25·63	1·03	—	**N 50 V**	100–0	1301	1303	
		10	14·21	34·34	25·65	1·03	—	**N 70 B**	69–0	1320	1340	KT
		20	13·50	34·37	25·82	1·16	—	**N 100 B**				
		30	12·90	34·50	26·04	1·63	—	**N 100 B**	195(–0)	1415	1445	Depth estimated
		40	12·74	34·61	26·16	1·90						
		50	12·46	34·62	26·23	2·15						
		60	12·36	34·68	26·29	2·05						
		80	12·40	34·76	26·34	2·05						
		100	12·21	34·79	26·41	2·05						
		150	11·91	34·76	26·43	2·47						
		200	11·40	34·77	26·54	2·60						
		300	10·94	34·76	26·61							
		400	10·78	34·75	26·65	2·60						
		600	6·04	34·41	27·10							
		800	4·99	34·46	27·27	2·85						
		1000	4·25	34·48	27·37							
WS 616	19	0	14·88	34·34	25·51	1·08	4·87	**N 50 V**	100–0	**1655**	**1657**	
		10	13·90	34·32	25·70	1·35	—	**N 70 B**	125–0	**1723**	**1743**	KT
		20	13·35	34·36	25·84	1·43	4·63	**N 100 B**				
		30	13·00	34·35	25·92	1·82	—	**N 100 B**	260–125	**1723**	**1743**	Depth estimated. Fished on 400 m. of warp closed after 20 min. of tow
		40	12·62	34·40	26·02	1·63	2·65					
		50	12·60	34·56	26·15	2·07						
		60	12·70	34·65	26·19	2·40	1·10					
		80	12·40	34·71	26·31	2·53						
		100	12·22	34·77	26·38	2·85	0·32					
		150	11·90	34·83	26·49	2·68						
		200	11·25	34·78	26·58	2·53	0·26					
		300	10·39	34·74	26·70							
		400	8·75	34·60	26·86	2·53	0·49					
		600	6·02	34·41	27·10							
		800	4·96	34·43	27·25	2·28	2·12					
		1000	4·18	34·52	27·41							
		1500	2·91	34·58	27·58	2·28	2·67					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 617	27° 09·5′ S, 71° 15·7′ W	1931 5 vi	1820	3032 gn.M	WNW	4–6	WNW	2	b	1018·0	13·9	12·8	low long WNW swell
WS 618	27° 09′ S, 71° 12·5′ W	5 vi	2250	—	WNW	1–3	W	1	b	1018·7	13·9	12·8	low long WNW swell
WS 619	27° 03·5′ S, 71° 30′ W	6 vi	0440	4865 lt.br.M	NNW	4–6	NNW	1	bc	1020·1	14·2	12·8	low long WSW swell
WS 620	27° 04·5′ S, 71° 23′ W	6 vi	1150	—	ENE	4–6	ENE	2	bc	1020·8	16·1	13·3	low long SSW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 617	19	0	15·90	34·44	25·36	0·95	—	**N 50 V**	100–0	**1825**	**1827**	
		10	15·90	34·44	25·36	0·95	—	**NH**	0	**2000**		
		20	15·65	34·44	25·42	0·95	—	**N 70 B**	67–0	**2204**	**2225**	KT
		30	14·50	34·34	25·58	1·08	—	**N 100 B**				
		40	13·40	34·25	25·75	1·50	—	**N 100 B**	190–65	**2204**	**2232**	Depth estimated
		50	12·41	34·21	25·92	1·56						
		60	12·45	34·35	26·02	1·77						
		80	11·72	34·36	26·16	2·22						
		100	12·01	34·59	26·29	2·22						
		150	11·76	34·76	26·46	2·66						
		200	11·13	34·74	26·57	2·41						
		300	9·82	34·67	26·74							
		400	8·26	34·56	26·91	2·97						
		600	5·93	34·38	27·10							
		800	4·91	34·44	27·27	2·97						
		1000	4·20	34·50	27·39							
		1500	2·97	34·59	27·59	2·53						
		2000	2·22	34·65	27·69							
		2500	1·90	34·63	27·71	2·66						
		3000	1·85	34·65	27·72							
WS 618	19	0	15·10	34·36	25·47							
		10	14·22	34·28	25·61							
		20	13·80	34·35	25·75							
		30	13·62	34·36	25·79							
		40	13·00	34·41	25·95							
		50	12·54	34·44	26·07							
		60	12·89	34·70	26·20							
		80	12·50	34·67	26·25							
		100	12·60	34·83	26·36							
		150	11·91	34·81	26·48							
		200	11·10	34·78	26·61							
WS 619	20	0	16·56	34·49	25·24	0·63	5·25	**N 50 V**	100–0	**0608**	**0610**	
		10	16·49	34·50	25·27	—	—	**N 70 B**	84–0	1046	1107	KT
		20	16·49	34·49	25·26	0·63	5·29	**N 100 B**				
		30	16·35	34·46	25·27	—	—	**N 100 B**	225–85	1046	1113	Depth estimated
		40	16·16	34·45	25·30	0·63	5·28					
		50	15·88	34·43	25·35							
		60	14·79	34·32	25·51	1·06	5·04					
		80	12·83	34·23	25·85							
		100	11·98	34·35	26·11	1·56	2·15					
		150	11·20	34·55	26·41	2·15						
		200	10·72	34·67	26·59	2·47	0·63					
		300	9·50	34·65	26·78							
		400	7·83	34·52	26·94	2·62	0·88					
		600	5·84	34·42	27·13							
		800	4·86	34·43	27·26	2·62	1·98					
		1000	4·12	34·49	27·38							
		1500	2·86	34·58	27·59	2·34	2·68					
		2000	2·20	34·65	27·69							
		2500	1·89	34·65	27·72	1·77	2·97					
		3000	1·80	34·69	27·75							
		3500	1·79	34·66	27·73	1·90	2·97					
		4000	1·78	34·68	27·76							
		4500	1·69	34·68	27·76	1·86	3·49					
WS 620	20	0	16·50	34·45	25·22	0·72	—	**N 70 B**	69–0	1312	1332	KT
		10	16·21	34·44	25·29	0·72	—	**N 100 B**				
		20	16·18	34·44	25·30	0·72	—	**N 100 B**	195–70	1312	1337	Depth estimated
		30	15·80	34·52	25·44	0·80						
		40	14·91	34·34	25·51	1·24						
		50	14·28	34·31	25·61	1·24						
		60	13·13	34·22	25·77	1·39						
		80	11·92	34·24	26·04	1·56						
		100	11·80	34·50	26·25	2·15						

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 620 *cont.*	27° 04·5′ S, 71° 23′ W	1931 6 vi											
WS 621	24° 27·5′ S, 70° 43′ W	7 vi	2000	—	S	11–21	S	3	bc	1021·5	15·6	13·9	mod. av. S swell
WS 622	23° 32·6′ S, 70° 38·5′ W	8 vi	0810	148 br.v.M	E	11–16	SSW	3	bc	1018·6	13·9	11·7	low long E swell
WS 623	23° 32·7′ S, 70° 41′ W	8 vi	1029	289 S.G	E	11–16	SSW	3	bc	1018·7	16·1	13·3	low long E swell
WS 624	23° 31·8′ S, 70° 44·5′ W	8 vi	1315	819 R	S	7–10	S	3	b	1016·4	16·1	13·9	mod. short S swell
WS 625	23° 31·7′ S, 70° 47′ W	8 vi	1520	1039	S	7–16	S	3–4	b	1015·4	16·1	13·9	mod. short S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S ‰	*σt*	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 620 *cont.*	20	150	11·07	34·59	26·47	2·22						
		200	10·37	34·68	26·66	2·45						
		300	9·23	34·61	26·79							
WS 621	21	0	17·20	34·79	25·33	—	—	**N 70 B**	73–0	**2020**	**2040**	KT
								N 100 B				
								N 100 B	205–75	**2020**	**2050**	Depth estimated
								N 50 V	100–0	**2058**	**2100**	
WS 622	22	0	14·10	34·59	25·87	—	4·39	**N 50 V**	100–0	0935	0937	
		10	14·07	34·59	25·88	—	—	**N 70 B**	128–0	0953	1013	KT
		20	13·70	34·81	26·13	—	—	**N 100 B**				
		30	13·44	34·74	26·12							
		40	13·38	34·77	26·15	—	1·12					
		50	13·26	34·80	26·21							
		60	12·79	34·84	26·33	—	0·26					
		80	12·70	34·87	26·37							
		100	12·60	34·86	26·38	—	0·34					
WS 623	22	0	14·14	34·64	25·90	—	—	**N 50 V**	100–0	1030	1032	
		10	13·69	34·70	26·03	—	—	**N 70 V**	50–0	1140		
		20	13·73	34·76	26·07	—	—	,,	100–50			
		30	13·61	34·76	26·10	—	—	,,	280–100	—	1210	
		40	13·51	34·79	26·15	—	—	**N 70 B**	95–0	1232	1254	KT
		50	13·27	34·80	26·21	—	—	**N 100 B**				
		60	13·19	34·80	26·22	—	—	**N 100 B**	250–95	1232	1259	Depth estimated
		80	13·04	34·84	26·28							
		100	12·61	34·89	26·40							
		150	12·33	34·86	26·43							
		200	11·81	34·88	26·55							
		250	11·67	34·88	26·58							
WS 624	22	0	14·31	34·56	25·80	1·90	3·51	**N 50 V**	100–0	1420	1422	
		10	14·08	34·63	25·90	1·98	—	**N 70 B**	102–0	1446	1506	KT
		20	13·81	34·72	26·03	2·32	2·13	**N 100 B**				
		30	13·68	34·77	26·09	2·66	—	**N 100 B**	265–100	1446	1512	Depth estimated
		40	13·26	34·80	26·21	2·32	0·46					
		50	13·14	34·80	26·23	2·41						
		60	12·94	34·80	26·27	2·41	0·18					
		80	12·71	34·82	26·34	2·41						
		100	12·71	34·93	26·41	2·53	0·21					
		150	12·29	34·83	26·42	2·53						
		200	11·95	34·80	26·47	2·66	0·20					
		300	11·08	34·78	26·61	2·41						
		400	9·38	34·64	26·80	2·41	0·30					
		600	6·26	34·42	27·07							
		750	5·33	34·46	27·23	2·32	1·72					
WS 625	22	0	13·93	34·39	25·75	1·39	—	**N 50 V**	100–0	1520	1522	
		10	13·72	34·49	25·86	1·39	—	**N 70 B**	109–0	1653	**1713**	KT
		20	13·46	34·42	25·86	1·54	—	**N 100 B**				
		30	13·62	34·63	26·00	1·98	—	**N 100 B**	300–110	1653	**1723**	Depth estimated
		40	13·32	34·79	26·19	2·34						
		50	13·23	34·79	26·20	2·15						
		60	13·06	34·75	26·21	2·22						
		80	12·91	34·81	26·29	2·22						
		100	12·76	34·82	26·33	2·34						
		150	12·44	34·82	26·39	2·34						
		200	11·98	34·88	26·52	2·45						
		300	11·23	34·80	26·60							
		400	9·40	34·66	26·80	2·45						
		600	7·38	34·53	27·02							
		800	5·47	34·47	27·22	2·45						
		950	4·72	34·47	27·31							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 626	23° 30′ S, 70° 50′ W	1931 8 vi	1734	1940 R	S	11–16	S	3	b	1014·6	14·4	12·8	mod. av. SW swell
WS 627	23° 28′ S, 70° 52·5′ W	8 vi	2034	2195 R	S	11–16	S	3	b	1016·4	14·4	12·8	mod. av. SW swell
WS 628	23° 25′ S, 70° 55′ W	8–9 vi	2354	—	S	11–16	S	3	b	1015·2	15·0	12·8	mod. av. S swell
WS 629	23° 21·5′ S, 71° 28′ W	9 vi	0840	7154	SSW	17–21	S	4	b	1016·6	15·6	13·9	mod. av. S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. . mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 626	22	0	14·09	34·41	25·73	1·77	4·75	**N 50 V**	100–0	**1912**	**1914**	
		10	14·11	34·46	25·76	1·56	—	**N 70 B**	87–0	**1950**	**2010**	KT
		20	14·09	34·49	25·79	1·56	4·64	**N 100 B**				
		30	13·20	34·55	26·03	2·24	—	**N 100 B**	230–85	**1950**	**2020**	Depth estimated
		40	13·61	34·81	26·14	2·47	0·82					
		50	13·16	34·72	26·16	2·47						
		60	13·07	34·79	26·24	2·74	0·28					
		80	12·81	34·90	26·38	3·10						
		100	12·71	35·02	26·49	3·10	0·14					
		150	12·18	34·82	26·44	2·91						
		200	11·65	34·79	26·51	3·10	0·18					
		300	10·85	34·73	26·61							
		400	9·48	34·66	26·79	2·74	0·26					
		600	6·29	34·44	27·10							
		800	4·98	34·45	27·26	3·10						
		1000	4·27	34·48	27·37							
		1500	3·85	34·59	27·50	2·91						
WS 627	22	0	15·01	34·51	25·61	1·29	—	**N 50 V**	100–0	**2035**	**2037**	
		10	15·02	34·52	25·62	1·29	—	**N 70 B**	69–0	**2305**	**2325**	KT
		20	14·85	34·68	25·78	1·35	—	**N 100 B**				
		30	13·91	34·52	25·85	1·56	—	**N 100 B**	195–70	**2305**	**2335**	Depth estimated
		40	13·16	34·48	25·98	1·82						
		50	12·42	34·49	26·13	2·15						
		60	13·34	34·86	26·23	2·47						
		80	13·03	34·84	26·28	2·36						
		100	12·73	34·87	26·36	2·47						
		150	12·22	34·87	26·46	2·60						
		200	11·60	34·83	26·55	2·74						
		300	11·07	34·81	26·64							
		400	9·67	34·67	26·77	2·74						
		600	6·92	34·48	27·04							
		800	5·27	34·44	27·23	2·74						
		1000	4·51	34·49	27·34							
		1500	3·14	34·57	27·55	2·91						
WS 628	22	0	15·19	34·54	25·60	1·90						
		10	15·20	34·53	25·59							
		20	15·15	34·51	25·58	1·77						
		30	13·92	34·48	25·82							
		40	13·12	34·48	25·99	2·05						
		50	12·77	34·49	26·06							
		60	12·18	34·47	26·16	1·90						
		80	12·01	34·59	26·29							
		100	12·32	34·77	26·37	2·97						
		150	12·10	34·82	26·46							
		200	11·57	—	—	2·66						
		300	11·00	34·79	26·63							
		400	9·70	34·70	26·78	2·66						
		600	7·42	34·54	27·02							
		800	5·38	34·50	27·25							
		1000	4·55	34·45	27·31							
WS 629	23	0	18·04	34·87	25·18	0·82	5·02	**N 50 V**	100–0	1050	1052	
		10	18·03	34·87	25·18	—	—	**N 70 V**	50–0	1100		
		20	18·02	34·87	25·18	0·82	5·14	,,	100–50			
		30	18·02	34·86	25·17	—	—	,,	250–100			
		40	18·00	34·86	25·18	0·82	5·19	,,	500–250	—	1145	
		50	17·97	34·81	25·16	—	—	**N 70 B**	87–0	**1736**	**1756**	KT
		60	17·92	34·80	25·16	0·95	5·03	**N 100 B**				
		70	16·16	—	—	—	—	**N 100 B**	230–85	**1736**	**1807**	Depth estimated
		80	14·71	34·35	25·56							
		100	12·57	34·31	25·96	1·16	1·35					
		150	10·92	34·46	26·39							
		200	11·00	34·70	26·57	1·69	1·82					
		300	9·87	34·67	26·74							
		400	8·74	34·60	26·86	1·90	0·32					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 629 *cont.*	23° 21·5′ S, 71° 28′ W	9 vi											
WS 630	From 23° 22′ S, 71° 06′ W	9–10 vi	1955	—	S	7–10	S	2	b	1015·7	15·0	13·9	mod. av. S swell
	to 23° 13·5′ S, 70° 56′ W		0400	—	NE	4–6	NE	2	c	1015·1	14·4	12·5	mod. av. S swell
WS 631	23° 12′ S, 70° 49′ W	10 vi	0838	—	NE	4–6	NE	2	c	1016·2	13·9	12·8	low short to low long SW swell
WS 632	23° 10′ S, 70° 46·5′ W	10 vi	1104	—	NE	4–6	NE	2	c	1015·6	14·4	12·8	low long SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 629 *cont.*	23	600	7·26	34·60	27·08							
		800	5·81	34·42	27·13	2·22	1·60					
		1000	4·96	34·52	27·32							
		1500	3·84	34·50	27·42	2·22	1·55					
		2000	2·79	34·56	27·57							
		2500	2·21	34·67	27·71	2·05	2·55					
		3000	1·92	34·67	21·73							
		3500	1·76	34·70	27·78	2·22	3·02					
		4000	1·76	34·68	27·76							
		4500	1·75	34·70	27·77	2·41						
WS 630	23	0	17·31	34·70	25·23	0·87	—	**N 70 B**	73–0	**2007**	**2028**	KT
		10	17·31	34·70	25·23	—	—	**N 100 B**				
	24	20	17·29	34·72	25·25	0·87	—	**N 100 B**	205–75	**2007**	**2036**	Depth estimated
		30	17·30	34·71	25·25	—	—	**N 50 V**	100–0	**2045**	**2047**	
		40	17·28	34·70	25·24	0·95						
		50	16·47	34·59	25·35							
		60	14·46	34·37	25·62	1·08						
		80	13·09	34·30	25·85							
		100	11·90	34·30	26·08	1·63						
		150	11·65	34·70	26·44							
		200	11·44	34·83	26·58							
		300	10·02	34·66	26·70							
		400	8·58	34·59	26·89	2·53						
		600	6·36	34·60	27·21							
		800	5·01	34·47	27·28							
		1000	4·31	34·48	27·36							
		1500	2·82	34·58	27·59	2·79						
		2000	2·33	34·62	27·67							
		2500	1·84	34·65	27·72							
		3000	1·82	34·65	27·72							
		3500	1·79	34·67	27·74	2·41						
WS 631	24	0	16·50	34·64	25·38	0·82	—	**N 50 V**	100–0	0955	0957	
		10	16·40	34·64	25·40	—	—	**N 70 B**	53–0	1028	1048	KT
		20	15·67	34·58	25·52	0·87	—	**N 100 B**				
		30	15·19	34·52	25·58	—	—	**N 100 B**	140–55	1028	1056	Depth estimated
		40	14·86	34·49	25·62	1·22						
		50	13·68	34·34	25·77							
		60	12·66	34·29	25·92	1·50						
		80	12·22	34·43	26·12							
		100	12·08	34·58	26·27	2·22						
		150	11·98	34·82	26·48							
		200	11·68	34·83	26·54	2·53						
		300	10·38	34·77	26·72							
		400	8·95	34·68	26·90	2·53						
		600	6·21	34·59	27·23							
		800	5·12	34·45	27·24	2·66						
		1000	4·39	34·51	27·37							
		1500	2·83	34·50	27·52	2·97						
WS 632	24	0	15·77	34·53	25·46	0·82	5·27	**N 50 V**	100–0	1225	1227	
		10	15·66	34·54	25·49	—	—	**N 70 B**	95–0	1245	1306	KT
		20	15·31	34·50	25·53	0·95	5·34	**N 100 B**				
		30	14·80	34·43	25·59	—	—	**N 100 B**	250–95	1245	1310	Depth estimated
		40	13·68	34·29	25·72	1·03	4·59					
		50	12·91	34·28	25·88							
		60	12·86	34·40	25·97	1·29	2·89					
		80	13·21	34·77	26·19							
		100	12·73	34·78	26·29	2·22	0·56					
		150	12·12	34·81	26·44							
		200	11·64	34·81	26·53	2·34	0·10					
		300	10·38	34·70	26·67							
		400	9·24	34·45	26·67	2·34	0·23					
		600	6·36	34·60	27·21							
		800	5·20	34·48	27·26	2·70	1·69					
		1000	4·29	34·48	27·37	—	0·92					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 633	23° 10′ S, 70° 43·5′ W	1931 10 vi	1323	—	N × W	4–10	W	2–3	bc	1015·3	15·6	12·8	low long SE swell
WS 634	23° 10′ S, 70° 40·5′ W	10 vi	1523	—	N × W	7–10	W	2–3	bc	1014·2	15·0	12·8	low long W swell
WS 635	23° 12·5′ S, 70° 39·5′ W	10 vi	1658	$\frac{\cdot}{700}$	N × W	11–16	N × W	3	b	1015·7	14·4	12·2	low short S swell
WS 636	22° 04·5′ S, 70° 36′ W	16 vi	2000	—	WSW	7–10	WSW	3	b	1015·9	15·0	14·4	mod. short SW swell
WS 637	19° 48′ S, 70° 22′ W	18 vi	2000	—	NNW	4–6	NNW	2	bc	1017·7	15·6	15·0	low long SW swell
WS 638	18° 54·5′ S, 71° 06′ W	19 vi	0508	2277 gy.Oz	SE	7–10	SE	3	o	1016·7	16·1	13·9	low long SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 633	24	0	15·85	34·54	25·45	—	—	**N 50 V**	100–0	1325	1327	
		10	15·61	34·51	25·47	—	—	**N 70 B**	76–0	1440	1500	KT
		20	13·98	34·46	25·79	—	—	**N 100 B**				
		30	13·81	34·58	25·92	—	—	**N 100 B**	210–75	1440	1507	Depth estimated
		40	14·00	34·74	26·01							
		50	13·94	34·68	25·97							
		60	13·76	34·79	26·10							
		80	13·40	34·84	26·21							
		100	12·74	34·84	26·34							
		150	12·34	34·85	26·42							
		200	11·90	34·82	26·49							
		300	10·71	34·74	26·65							
		400	9·41	34·68	26·82							
		600	6·25	34·43	27·09							
		800	5·06	34·51	27·30							
WS 634	24	0	15·11	34·48	25·57	1·16	—	**N 50 V**	100–0	1615	1617	
		10	14·35	34·49	25·73	—	—	**N 70 B**	109–0	1633	1653	KT
		20	13·83	34·69	26·00	2·22	—	**N 100 B**				
		30	13·92	34·72	26·00							
		40	13·59	34·77	26·11	3·14						
		50	13·30	34·81	26·21							
		60	13·15	34·84	26·26	3·14						
		80	13·06	34·84	26·28							
		100	12·83	34·87	26·34	3·25						
		150	12·49	34·85	26·39							
		200	11·85	34·81	26·49	2·97						
		300	10·99	34·75	26·61							
		400	9·70	34·68	26·77	2·22						
		600	6·16	34·43	27·11							
WS 635	24	0	14·90	34·46	25·59	1·20	—	**N 50 V**	100–0	1700	1702	
		10	14·51	34·47	25·69							
		20	13·91	34·58	25·90	1·82						
		30	13·63	34·70	26·04							
		40	13·53	34·73	26·10	2·34						
		50	13·41	34·73	26·12							
		60	13·30	34·77	26·17	2·57						
		80	13·07	34·78	26·23							
		100	12·86	34·81	26·30	2·85						
		150	12·51	34·81	26·37							
		200	12·09	34·83	26·46	2·85						
		300	10·95	34·72	26·58							
		400	9·90	34·62	26·70	2·85						
WS 636	1	0	16·23	34·66	25·45	—	—	**N 70 B**	65–0	**2020**	**2040**	KT
								N 100 B				
								N 100 B	190–65	**2020**	**2048**	Depth estimated
								N 50 V	100–0	**2103**	**2105**	
WS 637	3	0	15·67	34·88	25·75	—	—	**N 50 V**	100–0	**2008**	**2010**	
								N 70 B	88–0	**2034**	**2055**	KT
								N 100 B				
								N 100 B	235–90	**2034**	**2105**	Depth estimated
WS 638	3	0	18·62	35·01	25·15	—	6·06	**N 50 V**	100–0	**0520**	**0522**	
		10	18·62	35·02	25·16	—	—	**N 70 V**	30–0	0700		
		20	18·62	35·03	25·16	—	5·12	,,	100–50			
		30	18·57	35·05	25·18	—	—	,,	250–100			
		40	14·68	34·44	25·63	—	3·97	,,	500–250			
		50	13·61	34·54	25·93	—	—	,,	750–500			
		60	13·34	34·62	26·06	—	1·45	,,	1000–750			
		80	13·14	34·70	26·15	—	—	**N 50 V**	250–100			
		100	13·09	34·82	26·26	—	0·23	,,	100–50			
		150	12·56	34·83	26·37	—	—	,,	30–0	—	0930	
		200	11·91	34·82	26·49	—	0·17	**N 70 B**	101–0	0955	1015	KT
		300	10·60	34·72	26·65	—	—	**N 100 B**				

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 638 *cont.*	18° 54·5′ S, 71° 06′ W	1931 19 vi											
WS 639	18° 44′ S, 70° 48′ W	19 vi	1230	1485 gy.Oz	S	4–6	S	2	o	1016·8	18·3	14·4	low long S swell
WS 640	18° 28′ S, 70° 23·6′ W	19 vi	1744	82 d.gn.M	SE	0–3	SE	2	c	1016·4	16·1	13·9	low long SE swell
WS 641	18° 27·5′ S, 70° 26·5′ W	19 vi	1911	108 br.gn.M	Lt airs	0–3	SE	2	c	1016·2	16·1	14·4	low long SE swell
WS 642	18° 28·4′ S, 70° 32·2′ W	19 vi	2118	146 d.gn.M	Lt airs	0–3	SE	2	c	1018·1	16·1	14·4	low long SE swell
WS 643	18° 30′ S, 70° 42·8′ W	19–20 vi	2323	*ca.* 730	WSW	4–6	WSW	2	c	1016·7	16·1	12·8	low long SW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 638 *cont.*	3	400	8·93	34·63	26·86	—	0·17	**N 100 B**	265–100	0955	1022	Depth estimated
		600	6·49	34·49	27·10							
		800	5·11	34·46	27·25	—	0·48					
		1000	4·28	34·50	27·38							
		1500	2·74	34·60	27·61	—	1·51					
		2000	2·25	34·63	27·68							
WS 639	3	0	18·62	34·98	25·13	—	—	**N 50 V**	100–0	1334	1336	
		10	18·60	35·00	25·14	—	—	**N 70 B**	76–0	1358	1419	KT
		20	18·59	34·99	25·14	—	—	**N 100 B**				
		30	16·72	34·67	25·35	—	—	**N 100 B**	210–75	1358	1424	Depth estimated
		40	14·88	34·79	25·86							
		50	14·54	34·88	26·00							
		60	14·14	34·88	26·08							
		80	13·81	34·88	26·15							
		100	13·39	34·87	26·23							
		150	12·56	34·89	26·41							
		200	12·10	34·85	26·47							
		300	11·10	34·75	26·59							
		400	9·39	34·65	26·80							
		600	6·17	34·51	27·16							
		800	5·35	34·50	27·26							
		1000	4·05	34·60	27·48							
		1300	3·24	34·49	27·47							
WS 640	4	0	16·57	34·70	25·41	—	—	**N 50 V**	80–0	**1823**	**1825**	
		10	15·01	34·60	25·68	—	—	**N 70 B**	50–0	**1835**	**1856**	KT
		20	13·56	34·51	25·92	—	—	**N 100 B**				
		30	13·84	34·87	26·14							
		40	13·52	34·88	26·21							
		50	13·40	34·88	26·24							
		60	13·21	34·86	26·26							
		70	12·94	34·88	26·32							
WS 641	4	0	17·62	34·85	25·26	—	5·14	**N 50 V**	100–0	**1916**	**1918**	
		10	17·21	34·80	25·33	—	—	**N 70 B**	92–0	**2020**	**2040**	KT
		20	14·64	34·63	25·78	—	3·56	**N 100 B**				
		30	13·91	34·74	26·03							
		40	13·91	34·88	26·13							
		50	13·63	34·88	26·19							
		60	13·41	34·88	26·23							
		80	12·88	34·84	26·31							
		100	12·84	34·83	26·31	—	0·10					
WS 642	4	0	17·91	35·04	25·34	—	—	**N 50 V**	100–0	**2143**	**2145**	
		10	17·88	34·92	25·26	—	—	**N 70 B**	82–0	**2159**	**2219**	KT
		20	14·76	34·61	25·74	—	—	**N 100 B**				
		30	14·36	34·88	26·04	—	—	**N 100 B**	195–70	2159	2223	Depth estimated
		40	14·08	34·86	26·08							
		50	13·85	34·91	26·17							
		60	13·62	34·91	26·22							
		80	13·25	34·90	26·29							
		100	13·22	34·88	26·27							
		135	12·61	34·85	26·37							
WS 643	4	0	18·12	34·95	25·23	—	5·24	**N 50 V**	100–0	**2324**	**2326**	
		10	18·06	34·92	25·21	—	—	**N 70 B**	76–0	**0034**	**0056**	KT
		20	18·04	34·90	25·21	—	5·19	**N 100 B**				
		30	16·49	34·70	25·43	—	—	**N 100 B**	210–75	**0034**	**0107**	Depth estimated
		40	15·49	34·75	25·69	—	2·54					
		50	14·21	34·83	26·03							
		60	13·83	34·88	26·15	—	2·20					
		80	13·33	34·84	26·22							
		100	13·16	34·90	26·30	—	0·07					
		150	12·63	34·88	26·39							
		200	12·21	34·88	26·47	—	0·30					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 643 *cont.*	18° 30′ S, 70° 42·8′ W	1931 19–20 vi											
WS 644	16° 55·2′ S, 72° 39′ W	20 vi	2000	—	S	7–10	S	2	bc	1016·9	15·0	13·3	low long SSW swell
WS 645	15° 42·3′ S, 75° 03′ W	21 vi	2000	—	S	7–10	S	3	b	1014·9	15·6	13·9	mod. av. SSE swell
WS 646	15° 35′ S, 75° 41′ W	22 vi	0400	3147 h	SE	11–16	SE	4	bc	1015·1	15·6	14·4	mod. av. SE swell
WS 647	15° 19·2′ S, 75° 11·5′ W	22 vi	1152	66 gy.S.M	SE	22–33	SE	4–5	bc	1015·5	16·1	14·2	mod. av. SE swell
WS 648	15° 19·5′ S, 75° 13′ W	22 vi	1305	111 gn.M.S	ESE	17–21	SE	4–5	b	1015·6	15·6	13·3	mod. av. SE swell
WS 649	15° 20′ S, 75° 16·5′ W	22 vi	1448	137 gn.M.S	ESE	11–21	SE	4–5	b	1015·9	15·0	13·3	mod. av. ESE swell
WS 650	15° 22·5′ S, 75° 22′ W	22 vi	1627	143 d.G.S	SE	7–16	SE	3	b	1016·6	14·4	14·0	mod. short SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom $m.^3$	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 643 *cont.*	4	300	11·09	34·78	26·61							
		400	9·44	34·64	26·79	—	0·32					
		600	6·39	34·46	27·10							
WS 644	5	0	16·43	34·90	25·59	—	—	**N 50 V**	100–0	**2010**	**2012**	
								N 70 B	84–0	**2031**	**2052**	KT
								N 100 B				
								N 100 B	225–85	**2031**	**2102**	Depth estimated
WS 645	6	0	14·85	34·90	25·95	—	—	**N 50 V**	100–0	**2028**	**2030**	
								N 70 B	67–0	**2050**	**2110**	KT
								N 100 B				
								N 100 B	190–65	**2050**	**2116**	
WS 646	6	0	14·81	34·97	26·01	1·77	3·87	**N 50 V**	100–0	**0540**	**0542**	
		10	14·81	34·97	26·01	—	—	**N 70 V**	50–0	**0550**		
		20	14·81	34·95	26·00	1·50	3·88	,,	100–50			
		30	14·81	34·95	26·00	—	—	,,	250–100			
		40	14·61	34·96	26·04	1·50	3·24	,,	500–250			
		50	14·22	35·03	26·18	—	—	,,	750–500			
		60	14·01	34·94	26·16	1·50	0·91	,,	1000–750	—	0730	
		80	13·72	34·89	26·18	—	—	**N 70 B**	118–0	0749	0809	KT
		100	13·50	34·96	26·27	1·56	0·12	**N 100 B**				
		150	13·24	34·96	26·33	—	—	**N 100 B**	320–120	0749	0822	Depth estimated
		200	12·87	34·91	26·37	1·63	0·11					
		300	11·60	34·82	26·55							
		400	9·61	34·69	26·79	1·77	0·15					
		600	6·63	34·53	27·12							
		800	5·56	34·52	27·25	2·05	0·71					
		1000	4·74	34·52	27·35							
		1500	3·13	34·62	27·60	1·50	1·48					
		2000	2·36	34·63	27·67							
		2500	1·99	34·63	27·70	1·75						
WS 647	6	0	13·79	34·99	26·24	1·77	—	**N 50 V**	100–0	1218	1220	
		10	13·79	34·98	26·24	2·05	—	**N 70 B**	40–0	1230	1251	KT
		20	13·73	34·99	26·26	1·90	—	**N 100 B**				
		30	13·71	34·96	26·23	1·56						
		40	13·61	34·97	26·26	1·90						
		50	13·58	34·97	26·27	1·35						
		60	13·52	34·98	26·30	1·35						
WS 648	6	0	13·82	34·97	26·22	1·77	1·37	**N 50 V**	100–0	1313	1315	
		10	13·84	35·00	26·24	1·77	—	**N 70 B**	109–0	1409	1429	KT. **N 100 B** fouled bottom
		20	13·81	34·99	26·24	2·15	1·65	**N 100 B**				
		30	13·81	34·98	26·24	1·90						
		40	13·67	34·97	26·25	2·15	0·47					
		50	13·59	35·06	26·33	1·39						
		60	13·57	34·97	26·27	2·24	0·11					
		80	13·42	34·93	26·27	1·90						
		100	13·24	34·97	26·34	1·77	0·18					
WS 649	7	0	14·19	35·00	26·17	2·15	—	**N 50 V**	100–0	1524	1526	
		10	14·19	34·97	26·15	2·24	—	**N 70 B**	84–0	1537	1600	KT
		20	14·01	34·99	26·20	2·24	—	**N 100 B**				
		30	13·93	34·98	26·21	1·50						
		40	13·86	35·00	26·24	1·50						
		50	13·80	34·99	26·24	1·90						
		60	13·63	34·99	26·28	1·90						
		80	13·61	34·99	26·28	2·15						
		100	13·51	35·00	26·31	2·24						
WS 650	7	0	14·43	34·99	26·11	2·41	2·77	**N 50 V**	100–0	1634	1636	
		10	14·42	34·99	26·11	2·22	—	**N 70 B**	118–0	1734	**1752**	KT
		20	14·28	34·98	26·14	2·32	2·77	**N 100 B**	100–0	**1810**	**1830**	Depth estimated
		30	14·16	35·00	26·17	2·32						

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 650 *cont.*	15° 22·5′ S, 75° 22′ W	22 vi											
WS 651	15° 31′ S, 75° 37·5′ W	22 vi	1930	1266 d.M	SE	7–16	SE	3	b	1016·7	13·9	12·8	mod. short SE swell
WS 652	16° 21·5′ S, 76° 30·2′ W	23 vi	0645	3987 br.gy.M	SE	17–21	SE	4	o	1017·9	16·7	15·0	mod. av. S swell
WS 653	16° 54′ S, 77° 13′ W	23 vi	1705	—	SE	17–21	SE	4	c	1017·4	17·9	15·6	mod. av. SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 650 *cont.*	7	40	13·97	34·99	26·21	2·32	0·69					
		50	13·82	35·03	26·26	2·41						
		60	13·74	35·20	26·42	2·66	0·37					
		80	13·57	35·01	26·31	2·32						
		100	13·31	34·99	26·34	2·32	0·13					
		140	13·13	34·99	26·38	2·97						
WS 651	7	0	14·86	35·01	26·03	1·90	—	**N 50 V**	100–0	**2123**	**2125**	
		10	14·86	34·99	26·02	2·22	—	**N 70 B**	80–0	**2144**	**2205**	KT
		20	14·83	35·00	26·03	2·22	—	**N 100 B**				
		30	14·73	35·02	26·07	2·22	—	**N 100 B**	220–80	**2144**	**2214**	Depth estimated
		40	14·63	35·02	26·09	1·90						
		50	14·27	35·00	26·15	1·90						
		60	14·26	35·02	26·17	2·22						
		80	13·60	34·97	26·27	2·32						
		100	13·50	34·99	26·30	2·53						
		150	13·03	34·98	26·40	2·53						
		200	12·49	34·91	26·45	2·41						
		300	11·20	34·86	26·65	2·32						
		400	9·13	34·70	26·88	2·53						
		600	6·75	34·59	27·16	2·79						
		800	5·24	34·54	27·31	2·79						
		1000	4·49	34·58	27·42	2·79						
WS 652	7	0	18·82	35·22	25·26	0·13	5·05	**NH**	0	0800		
		10	18·82	35·26	25·28	—	—	**N 50 V**	60–0	0930		
		20	18·82	35·24	25·27	0·27	4·88	,,	80–60			
		30	18·82	35·26	25·28	—	—	,,	140–80	—	0950	
		40	18·82	35·26	25·29	0·55	4·93	**N 70 B**	102–0	1053	1113	KT
		50	18·80	35·28	25·30	—	—	**N 100 B**				
		60	18·07	35·10	25·35	0·55	4·67	**N 100 B**	270–100	1053	1118	Depth estimated
		80	14·15	34·53	25·81							
		100	13·81	34·66	25·98	1·35	2·90					
		150	12·89	34·91	26·37							
		200	12·18	34·90	26·50	2·22	0·21					
		300	11·17	34·87	26·66							
		400	9·80	34·75	26·82	2·22	0·30					
		600	7·89	34·64	27·03	—	—	—	—	—	—	Very heavy stray on water bottle wire
		800	7·41	34·63	27·09	2·66	0·68	—	—	—	—	
		1000	6·90	34·59	27·13	—	—	—	—	—	—	
		1500	5·13	34·59	27·36	2·41	0·46	—	—	—	—	
		2000	3·88	34·55	27·47	—	—	—	—	—	—	
		2500	3·72	34·61	27·52	2·13	1·09	—	—	—	—	
		3000	3·06	34·59	27·58	—	—	—	—	—	—	
		3500	2·60	34·67	27·68	2·05	1·15	—	—	—	—	
WS 653	8	0	18·79	35·19	25·24	0·13	5·68	**N 50 V**	100–0	**1833**	**1835**	
		10	18·80	35·21	25·25	—	—	**N 70 V**	50–0	**1850**		
		20	18·77	35·20	25·25	0·21	4·17	,,	100–50			
		30	18·74	35·20	25·26	—	—	,,	250–100			
		40	18·72	35·19	25·25	0·40	4·78	,,	500–250			
		50	15·11	34·72	25·75	—	—	,,	1000–750			
		60	14·26	34·66	25·88	1·35	1·93	,,	750–500	—	**2030**	
		80	13·27	34·67	26·10	—	—	**N 70 B**	118–0	**2120**	**2141**	KT
		100	12·62	34·63	26·20	1·63	1·35	**N 100 B**				
		150	12·31	34·84	26·43	—	—	**N 100 B**	320–120	**2120**	**2150**	Depth estimated
		200	11·54	34·78	26·52	1·63	1·46					
		300	10·03	34·70	26·74							
		400	8·33	34·58	26·92	1·82	0·27					
		600	6·11	34·50	27·16							
		800	4·94	34·49	27·29	1·82	0·32					
		1000	4·15	34·51	27·40							
		1500	2·80	34·57	27·58	1·90	1·16					
		2000	2·31	34·50	27·56							
		2500	1·85	34·64	27·72	1·90	3·20					
		3000	1·76	34·66	27·74							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 654	16° 36′ S, 76° 55·5′ W	1931 24 vi	0014	—	ESE	11–21	SE	4–5	c	1017·0	18·3	15·4	mod. av. to mod. long SE swell
WS 655	16° 08′ S, 76° 22′ W	24 vi	0815	3316 br.gy.M	ESE	11–16	ESE	4	o	1018·8	16·7	14·4	mod. av. ESE swell
WS 656	15° 52·5′ S, 76° 07·5′ W	24 vi	1357	—	SE	11–16	SE	4	c	1017·9	16·7	14·4	mod. short to mod. av. SE swell
WS 657 A	15° 44′ S, 75° 59′ W	24 vi	1737	—	SE	11–16	SE	3	c	1017·1	15·8	15·6	mod. av. SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 654	8	0	19·23	35·30	25·21	—	—	**N 50 V**	100–0	**0133**	**0135**	
		10	19·20	35·29	25·21	—	—	**N 70 B**	87–0	**0216**	**0235**	KT
		20	19·24	35·32	25·22	—	—	**N 100 B**				
		30	19·23	35·29	25·20	—	—	**N 100 B**	230–85	**0216**	**0241**	Depth estimated
		40	19·23	35·29	25·20							
		50	19·23	35·34	25·24							
		60	19·24	35·30	25·21							
		80	16·40	34·79	25·52							
		100	13·96	34·50	25·82							
		150	11·98	34·69	26·36							
		200	11·40	34·77	26·54							
		300	10·00	34·71	26·75							
		400	8·50	34·62	26·93							
		600	6·37	34·51	27·14							
		800	5·13	34·50	27·28							
		1000	4·74	34·50	27·33							
		1500	2·93	34·58	27·58							
		2000	2·23	34·62	27·68							
		2500	1·87	34·65	27·72							
		3000	2·03	34·62	27·70							
WS 655	8	0	17·26	35·03	25·49	0·82	—	**N 50 V**	100–0	1030	1032	
		10	17·26	35·01	25·48	—	—	**N 70 B**	84–0	1125	1145	KT
		20	17·12	35·01	25·52	0·82	—	**N 100 B**				
		30	15·07	35·08	26·03	—	—	**N 100 B**	225–85	1125	1155	Depth estimated
		40	14·70	35·05	26·09	1·69						
		50	14·55	35·03	26·11							
		60	14·25	35·03	26·17	2·05						
		80	13·51	34·93	26·25							
		100	13·09	34·92	26·33	2·47						
		150	12·41	34·91	26·46							
		200	11·80	34·88	26·55	2·24						
		300	10·56	34·77	26·69							
		400	8·79	34·67	26·91	2·36						
		600	6·69	34·57	27·14							
		800	5·34	34·57	27·31	2·74						
		1000	4·40	34·62	27·47							
		1500	3·05	34·58	27·57	3·29						
		2000	2·34	34·64	27·68							
		2500	1·92	34·66	27·72	3·10						
		3000	1·82	34·91	27·94							
WS 656	9	0	16·24	34·90	25·64	1·41	4·91	**N 50 V**	100–0	1542	1544	
		10	16·21	35·02	25·74	—	—	**N 70 B**	80–0	1600	1619	KT
		20	15·90	34·93	25·74	1·41	4·29	**N 100 B**				
		30	15·61	34·88	25·76	—	—	**N 100 B**	220–80	1600	1631	Depth estimated
		40	14·15	34·72	25·96	1·50	2·64					
		50	14·28	34·79	25·99							
		60	14·49	34·89	26·02	1·56	1·16					
		80	14·17	34·94	26·12							
		100	13·30	34·88	26·26	2·05	0·34					
		150	12·71	34·93	26·41							
		200	12·11	34·90	26·51	2·22	0·16					
		300	10·68	34·81	26·71							
		400	9·43	34·73	26·86	2·41	0·14					
		600	6·78	34·58	27·14							
		800	5·40	34·53	27·28	3·33	0·75					
		1000	4·37	34·56	27·42							
		1500	3·14	34·63	27·60	3·33	1·61					
		2000	2·39	34·64	27·68							
		2500	2·09	34·70	27·74	2·53	2·13					
		3000	1·93	34·67	27·73							
WS 657 A	9	—	—	—	—	—	—	**N 70 H**	0	**1740**	**1750**	Position A
								N 100 H	0-5			

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 657 B	15° 38·3′ S, 75° 53·4′ W	1931 24 vi	1850	—	SE	11–16	SE	3	c	1017·1	15·8	15·6	mod. av. SE swell
WS 658	13° 45·5′ S, 76° 20′ W	25 vi	1220	—	S	7–10	S	2	bc	1014·5	16·7	14·4	low long S swell
WS 659	13° 37·8′ S, 76° 20′ W	25 vi	2115	71 d.gn.M	NW × N	7–10	NW × N	2	b	1016·7	16·1	15·2	low long NNW swell
WS 660	12° 23·5′ S, 77° 11·2′ W	26 vi	0936	—	SW	4–6	SW	1–2	or	1015·6	15·6	15·0	low long SW swell
WS 661	12° 08′ S, 77° 16′ W	26 vi	1153	—	SW	4–6	S	2	c	1014·9	17·2	15·6	mod. short S swell
	12° 08·5′ S, 77° 16′ W		1354	—	SW	4–6	S	2	c	1013·9	17·2	15·6	mod. short S swell
WS 662	12° 09·5′ S, 77° 15′ W	26 vi	1245	—	SW	4–10	SW	2	c	1015·5	17·2	15·6	mod. short S swell
WS 663	12° 09·6′ S, 77° 15′ W	1 vii	1134	62 d.gn.M	ESE	1–6	ESE	1–2	c	1013·8	17·6	15·5	mod. short S swell
WS 664	12° 11·5′ S, 77° 17′ W	1 vii	1325	101 gy.M	SE	7–10	SSE	3–4	c	1013·0	16·1	15·0	mod. av. SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 657 B	9	0	15·36	34·96	25·88	2·34	—	N 50 V	100–0	2013	2015	Position B
		10	15·31	34·97	25·90	—	—	N 70 B	67–0	2120	2139	KT
		20	15·11	34·97	25·94	2·15	—	N 100 B				
		30	15·06	35·02	26·00	—	—	N 100 B	190–65	2120	2149	Depth estimated
		40	15·00	34·98	25·98	2·34						
		50	14·77	35·00	26·04							
		60	14·62	34·99	26·07	2·34						
		80	14·26	35·11	26·24							
		100	13·51	35·03	26·33	2·34						
		150	13·01	34·98	26·40							
		200	12·16	34·92	26·51	2·45						
		300	10·91	34·79	26·65							
		400	9·08	34·69	26·88	2·85						
		600	6·53	34·53	27·14							
		800	5·62	34·53	27·25	3·02						
		1000	4·61	34·54	27·38							
		1500	3·11	34·57	27·55	2·85						
		2000	2·34	34·62	27·67							
		2500	1·96	34·62	27·70	2·57						
		3000	1·71	34·65	27·73							
WS 658	10	0	19·10	—	—	—	—	N 50 V	15–0	1228	1230	
WS 659	10	0	17·60	35·16	25·51	—	—	N 50 V	50–0	2120	2122	
								N 70 B	54–0	2145	2205	KT
								N 100 B				
WS 660	10	—	—	—	—	—	—	N 50 H	0	0935	0940	
								N 70 H				
								N 50 V	100–0	0953	0955	
								N 70 B	105–0	1005	1025	KT
								N 100 B				
WS 661	10	0	16·61	35·07	25·67	—	—	N 50 V	60–0	1230	1232	
	10	10	15·91	35·06	25·83	—	—	N 100 H	0–5	1355	1415	
		20	15·56	35·07	25·92	—	—	N 70 H	0–5	1400	1420	
		30	15·42	35·05	25·93							
		40	15·42	35·08	25·96							
		50	15·42	35·07	25·95							
		60	15·40	35·06	25·94							
WS 662	10	0	16·86	34·99	25·56	—	—	N 50 V	50–0	1315	1317	
		10	16·19	35·00	25·72	—	—	N 70 H	0–5	1320	1340	
		20	16·08	35·04	25·78	—	—	N 100 H				
		30	15·97	35·06	25·81							
		40	15·50	35·06	25·92							
		50	15·36	35·05	25·94							
		60	15·27	35·06	25·97							
WS 663	15	0	17·20	35·08	25·54	—	—	N 70 V	25–0	1205		
		10	16·87	35·10	25·64	—	—	,,	50–23	—	1215	
		20	16·75	35·17	25·73	—	—	N 50 V	50–25	1230		
		30	16·39	35·09	25·75	—	—	,,	25–0	—	1240	
		40	15·90	35·08	25·85	—	—	N 70 B	44–0	1250	1313	KT
		50	15·57	35·08	25·92	—	—	N 100 B				
								N 50 H	0–5	1254	1256	
WS 664	16	0	17·20	35·12	25·57	—	4·41	N 50 V	25–0	1403		
		10	16·96	35·15	25·66	—	—	,,	50–25			
		20	16·78	35·14	25·69	—	2·76	,,	95–50			
		30	16·27	35·13	25·80	—	—	N 70 V	25–0			
		40	15·64	35·07	25·90	—	1·18	,,	50–25			
		50	15·49	35·08	25·94	—	—	,,	95–50	—	1434	
		60	14·92	35·07	26·06	—	0·37	N 70 B	100–0	1445	1505	KT
		80	14·71	35·06	26·10	—	—	N 100 B	90–0	1528	1551	Depth estimated
		95	14·66	35·05	26·10	—	0·26					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 665	12° 13·3′ S, 77° 21·8′ W	1931 1 vii	1613	134 d.gn.M	S	11–16	S	3	0	1012·6	15·6	15·0	mod. short S swell
WS 666	12° 18·5′ S, 77° 30·5′ W	1 vii	1834	199 d.gn.M	SE	7–10	SE	2–3	0	1013·2	15·6	14·7	mod. short SE swell
WS 667	12° 23·2′ S, 77° 39·5′ W	1 vii	2058	474 bl.G	SE	11–16	SE	3	0	1013·2	16·1	15·3	mod. short SE swell
WS 668	12° 48·5′ S, 78° 45·8′ W	2 vii	0737	$\frac{\cdot}{5101}$	SE × E	11–16	SE	3	c	1015·4	16·7	15·1	mod. av. SE swell
WS 669	12° 33·5′ S, 78° 21·6′ W	2 vii	1454	3840 gy.M	SE	17–21	SE	4	c	1013·3	16·9	15·0	mod. av. SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 665	16	0	17·55	35·20	25·56	—	—	**N 50 V**	100–0	1653	1655	
		10	17·53	35·21	25·57	—	—	**N 70 B**	101–0	1705	**1728**	KT
		20	17·51	35·24	25·60	—	—	**N 100 B**				
		30	15·91	35·10	25·87							
		40	15·34	35·08	25·98							
		50	15·03	35·08	26·04							
		60	14·78	35·05	26·07							
		80	14·52	35·19	26·24							
		100	14·41	35·06	26·16							
		130	14·34	35·03	26·15							
WS 666	16	0	17·83	35·25	25·52	—	3·98	**N 50 V**	100–0	**1836**	**1838**	
		10	17·83	35·26	25·52	—	—	**N 70 B**	89–0	**1935**	**1958**	KT
		20	17·82	35·26	25·53	—	4·02	**N 100 B**				
		30	17·62	35·21	25·55							
		40	17·16	35·17	25·62	—	2·48					
		50	16·61	35·13	25·72							
		60	15·39	35·07	25·95	—	1·00					
		80	14·51	35·06	26·14							
		100	14·49	35·08	26·16	—	0·23					
		150	14·04	35·05	26·23							
WS 667	16	0	19·13	35·49	25·38	—	—	**N 50 V**	100–0	**2135**	**2137**	
		10	19·13	35·48	25·37	—	—	**N 70 B**	100–0	**2212**	**2232**	Depth estimated
		20	19·14	35·51	25·39	—	—	**N 100 B**				
		30	19·14	—	—	—	—	**N 100 B**	320–100	**2310**	**2340**	Depth estimated
		40	19·13	35·48	25·37							
		50	17·01	35·18	25·68							
		60	15·53	35·07	25·92							
		80	15·09	35·07	26·02							
		100	14·18	35·00	26·17							
		150	13·71	34·99	26·26							
		200	12·98	34·91	26·35							
		300	11·95	34·90	26·54							
		400	10·67	34·81	26·71							
WS 668	16	0	18·88	35·40	25·38	—	5·21	**N 50 V**	100–0	0910	0912	
		10	18·87	35·44	25·41	—	—	**N 70 B**	116–0	1136	1157	KT
		20	18·90	35·45	25·41	—	4·88	**N 100 B**				
		30	18·91	35·49	25·43	—	—	**N 100 B**	315–115	1136	1202	Depth estimated
		40	16·91	35·06	25·60	—	3·63					
		50	16·51	34·99	25·64							
		60	15·51	34·97	25·85	—	0·93					
		80	14·49	34·96	26·07							
		100	13·84	34·95	26·20	—	0·12					
		150	12·94	34·94	26·38							
		200	12·29	34·87	26·45	—	0·17					
		300	11·12	34·87	26·67							
		400	9·49	34·74	26·86	—	0·75					
		600	7·06	34·59	27·11							
		800	5·48	34·55	27·29	—	0·85					
		1000	4·76	34·61	27·42							
		1500	3·09	34·70	27·66	—	1·79					
		2000	2·38	34·67	27·70							
		2500	1·97	34·69	27·74	—	0·12					
		3000	1·87	34·52	27·62							
		3500	1·78	34·59	27·69	—	1·86					
		4000	1·72	34·64	27·73							
WS 669	16	0	17·21	35·18	25·63	—	—	**N 50 V**	100–0	1555	1557	
		10	17·20	35·17	25·61	—	—	**N 70 B**	91–0	**1824**	**1844**	KT
		20	17·20	35·18	25·63	—	—	**N 100 B**				
		30	16·96	35·14	25·65	—	—	**N 100 B**	240–90	**1824**	**1850**	Depth estimated
		40	16·89	35·12	25·65							
		50	16·81	35·14	25·69							
		60	16·77	35·11	25·68							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 669 *cont.*	12° 33·5′ S, 78° 21·6′ W	1931 2 vii											
WS 670	12° 22·2′ S, 78° 13·8′ W	2 vii	2011	—	SE	11–16	SE	4	0	1015·0	16·7	15·0	mod. av. SE swell
WS 671	12° 10·8′ S, 77° 59·2′ W	3 vii	0000	1920 gn.M	SE	11–16	SE	4	0	1014·7	17·2	16·3	mod. av. SE swell
WS 672	12° 09·7′ S, 77° 14′ W	8 vii	0800	—	SSE	7–10	SSE	3	0	1013·4	15·6	15·0	mod. av. S swell
WS 673	11° 23·6′ S, 77° 38′ W	8 vii	2012	—	SSE	7–10	SE	2	c	1012·0	16·1	15·3	mod. short SE swell
WS 674	09° 00′ S, 79° 40′ W	9 vii	1915	113	ESE	7–10	SSW	4	0	1011·5	19·4	16·7	mod. short ESE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 669 *cont.*	16	80	14·18	34·97	26·15							
		100	13·72	35·08	26·32							
		150	13·03	34·93	26·35							
		200	12·39	34·88	26·44							
		300	11·11	34·83	26·64							
		400	9·45	34·65	26·79							
		600	8·45	34·66	26·96	—	—	—	—	—	—	
		800	6·46	34·53	27·14	—	—	—	—	—	—	
		1000	5·23	34·50	27·27	—	—	—	—	—	—	
		1500	3·57	34·54	27·49	—	—	—	—	—	—	Very heavy stray on water-bottle wire
		2000	3·33	34·53	27·50	—	—	—	—	—	—	
		2500	2·51	34·57	27·61	—	—	—	—	—	—	
		3000	2·16	34·62	27·69	—	—	—	—	—	—	
WS 670	17	0	19·21	35·41	25·30	—	4·89	**N 50 V**	100–0	**2148**	**2150**	
		10	19·22	35·45	25·32	—	—	**N 70 B**				
		20	19·21	35·50	25·36	—	4·86	**N 100 B**	109–0	**2212**	**2235**	KT
		30	19·20	35·47	25·35	—	—	**N 100 B**	235–90	**2212**	**2240**	Depth estimated
		40	17·29	35·16	25·58	—	3·10					
		50	15·45	34·97	25·86							
		60	14·89	34·92	25·95	—	0·96					
		80	14·01	34·92	26·14							
		100	13·50	34·96	26·27							
		150	12·61	34·91	26·42							
		200	12·15	34·89	26·49	—	0·16					
		300	10·92	34·79	26·65							
		400	9·68	34·70	26·80	—	0·15					
		600	7·23	34·58	27·08							
		800	5·82	34·56	27·25	—	0·53					
		1000	5·32	34·52	27·28	—	—	—	—	—	—	
		1500	3·63	34·58	27·51	—	1·69	—	—	—	—	Heavy stray on water-bottle wire
		2000	2·64	34·61	27·63	—	—	—	—	—	—	
		2500	2·25	34·62	27·68	—	2·22	—	—	—	—	
WS 671	17	0	19·33	35·45	25·30	—	—	**N 50 V**	100–0	**0113**	**0115**	
		10	19·33	—	—	—	—	**N 70 B**				
		20	19·31	35·59	25·41	—	—	**N 100 B**	89–0	**0257**	**0317**	KT
		30	19·33	35·46	25·31	—	—	**N 100 B**	235–90	**0257**	**0325**	Depth estimated
		40	19·13	35·41	25·32							
		50	18·75	35·40	25·41							
		60	16·27	34·98	25·70							
		80	14·25	34·90	26·08							
		100	13·81	34·97	26·23							
		150	12·92	34·97	26·40							
		200	12·22	34·93	26·51							
		300	11·25	34·90	26·67							
		400	9·20	34·70	26·87							
		600	6·66	34·60	27·17							
		800	6·20	34·60	27·23							
		1000	5·00	34·62	27·40							
		1500	3·30	34·61	27·58							
WS 672	22	0	17·34	35·14	25·56	—	—	**N 50 V**	45–0	0828	0829	
		10	17·21	35·10	25·56							
		20	17·10	35·14	25·62							
		30	16·96	35·13	25·64							
		40	16·21	35·08	25·78							
		45	15·51	35·05	25·91							
WS 673	23	0	17·32	35·18	25·60	—	—	**N 50 V**	95–0	**2020**	**2022**	
								N 70 B				
								N 100 B	47–0	**2039**	**2059**	KT
WS 674	24	0	20·36	35·48	25·05	1·03	4·88	**N 50 V**	100–0	**2028**	**2030**	
		10	20·34	35·42	25·01	1·08	—	**N 70 V**	50–0	**2035**		
		20	20·26	35·48	25·07	1·29	4·69	,,	100–50	—	**2045**	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 674 *cont.*	09° 00′ S, 79° 40′ W	1931 9 vii											
WS 675	08° 14·5′ S, 78° 58′ W Salaverry Roads	10 vii	1305	10	SW	1–3	S	1	b	1012·8	18·9	17·2	low long SW swell
WS 676	08° 17′ S, 79° 01·5′ W	10 vii	1413	29 bl.M	SSW	4–6	S	2	b	1011·0	20·0	17·8	low long S swell
WS 677	08° 19·5′ S, 79° 05·8′ W	10 vii	1525	49 gn.M. Sh	SSW	4–6	S	2	b	1010·7	19·3	18·2	low long S swell
WS 678	08° 35·5′ S, 78° 57′ W	10 vii	1824	55 gn.M. Sh	SW	1–3	S × W	0	b	1012·0	17·8	17·2	mod. short S swell
WS 679	08° 38′ S, 79° 01·5′ W	10 vii	2000	66	SSW	4–6	S	2	b	1012·0	17·8	17·2	mod. av. S swell
WS 680	08° 44′ S, 79° 15′ W	10 vii	2238	91 d.gn.M	SW	1–3	S × W	1	bc	1012·1	17·8	17·2	low long S swell
WS 681	08° 49′ S, 79° 24′ W	11 vii	0100	106 R	SE	4–6	S	1	bc	1013·0	18·9	18·3	low long S swell
WS 682	08° 53′ S, 79° 33′ W	11 vii	0320	110 br.S.Sh	SE	4–6	S	1	bc	1012·8	19·1	18·3	low long S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 674 *cont.*	24	30	20·23	35·41	25·03	1·33	—	**N 100 B**	59–0	**2050**	**2116**	KT
		40	18·86	35·25	25·26	1·50	2·90	**N 70 B**	85–0	**2126**	**2146**	KT
		50	17·31	35·14	25·57	1·77						
		60	16·70	35·15	25·72	2·24	1·34					
		80	16·01	35·13	25·86	1·90						
		100	15·11	35·08	26·03	1·90	0·60					
WS 675	24	0	16·00	35·11	25·86	—	—	**N 70 H**	0–5	1321	1341	
		10	15·67	35·05	25·87	—	—	**N 100 H**	0–5			
								N 50 H	0–5	1329	1331	
WS 676	25	0	16·71	35·08	25·66	2·13	1·86	**N 50 H**	0–5	1436	1438	
		10	16·09	35·05	25·78	2·32	—	**N 70 B**	0–10	1436	1456	
		20	15·60	35·05	25·89	2·32	1·64	**N 100 B**	0–10			
		25	15·55	35·07	25·92							
WS 677	25	0	16·83	35·09	25·64	2·40	—	**N 50 V**	45–0	1545	1546	
		10	16·59	35·06	25·67	2·40	—	**N 70 B**	36–0	1600	1620	KT
		20	16·34	35·06	25·73	2·40	—	**N 100 B**	36–0			
		30	15·81	35·08	25·87	2·53						
		40	15·43	35·09	25·96	2·85						
		45	15·42	—	—	—	—	—	—	—	—	Water bottle struck bottom
WS 678	25	0	16·86	35·08	25·63	1·98	3·71	**N 50 V**	45–0	**1828**	**1830**	
		10	16·20	35·05	25·75	1·90	—	**N 70 B**	32–0	**1909**	**1931**	KT
		20	15·72	35·07	25·88	1·98	0·63	**N 100 B**	32–0			
		30	15·46	35·08	25·95	2·41						
		40	15·45	35·08	25·95	2·79	0·14					
		48	15·45	—	—	—	—	—	—	—	—	Water bottle struck bottom
WS 679	25	0	17·40	35·08	25·50	1·29	—	**N 50 V**	50–0	**2034**	**2035**	
		10	16·49	35·08	25·71	1·82	—	**N 70 B**	50–0	**2044**	**2105**	Depth estimated
		20	16·10	35·10	25·82	1·90	—	**N 100 B**	50–0			
		30	15·57	35·08	25·92	2·15						
		40	15·30	35·10	26·00	2·45						
		50	15·27	35·10	26·01	2·45						
		60	15·24	35·26	26·13	2·15						
WS 680	25	0	17·41	35·16	25·55	0·95	3·54	**N 50 V**	90–0	**2316**	**2318**	
		10	17·01	35·17	25·66	0·95	—	**N 70 B**	50–0	**2330**	**2350**	KT
		20	16·70	35·15	25·72	1·35	2·72	**N 100 B**	50–0			
		30	16·61	35·13	25·72	1·50						
		40	16·20	35·11	25·81	1·35	1·06					
		50	15·95	35·11	25·87	1·35						
		60	15·14	35·10	26·04	1·35	0·18					
		80	14·99	35·08	26·05	1·35						
WS 681	25	0	19·44	35·36	25·20	—	—	**N 50 V**	100–0	**0146**	**0148**	
		10	18·64	35·30	25·36	0·40	—	**N 70 B**	73–0	**0158**	**0217**	KT
		20	18·02	35·25	25·47	0·82	—	**N 100 B**	73–0			
		30	17·31	35·18	25·61	1·08						
		40	16·70	35·12	25·69	1·08						
		50	16·30	35·12	25·79	1·50						
		60	15·30	35·09	25·99	1·62						
		80	15·08	35·07	26·02	1·62						
		100	15·08	35·09	26·04	1·75						
WS 682	25	0	20·04	35·42	25·09	0·13	—	**N 50 V**	100–0	**0405**	**0407**	
		10	20·04	35·42	25·09	0·27	—	**N 70 B**	102–0	**0418**	**0438**	KT
		20	19·92	35·41	25·12	0·27	—	**N 100 B**	102–0			
		30	19·10	35·33	25·26	0·27						
		40	17·58	35·17	25·52	0·95						
		50	16·54	35·12	25·73	1·22						
		60	15·72	35·10	25·91	1·56						
		80	15·66	35·09	25·91	1·63						
		100	15·00	35·08	26·05	1·69						

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 683	10° 37′ S, 78° 17·3′ W	1931 11 vii	2000	—	SE × S	7–16	SE × S	3	. o	1013·1	18·9	17·2	mod. av. SE swell
WS 684	12° 09·5′ S, 77° 15′ W	12 vii	1018	—	SSE	7–10	S	2	o	1015·0	16·1	15·6	low long S swell
WS 685	12° 09·5′ S, 77° 15′ W	15 vii	1721	—	S × E	7–10	S × E	2	o	1013·7	17·1	15·6	mod. long S swell
WS 686	09° 25·5′ S, 80° 22′ W	17 vii	0036	4228 gy.M br.M	SE	11–21	S	2	bcp	1014·3	18·3	17·2	mod. av. S swell
WS 687	07° 42′ S, 82° 09′ W	17–18 vii	2216	4594	SE	11–21	SSE	2	cp	1014·2	18·9	16·6	mod. av. S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 683	26	0	20·18	35·57	25·17	—	—	**N 50 V**	100–0	**2008**	**2010**	
								N 70 B / **N 100 B**	91–0	**2019**	**2039**	KT
WS 684	26	0	17·27	35·12	25·56	—	—	**N 50 V**	55–5	1041	1042	
		10	17·05	35·12	25·61	—	—	**N 70 B** / **N 100 B**	25–0	1051	1111	KT
		20	16·60	35·11	25·72	—	—					
		30	15·50	35·10	25·96	—	—	**N 50 H**	0	1100	1102	
		40	15·12	35·05	26·00	—	—	**N 70 H**	0	1105	1120	Net damaged
		50	15·00	35·06	26·03							
		60	14·97	35·06	26·04							
WS 685	0	0	17·13	35·08	25·56	—	—	**N 50 V**	50–0	1746	1747	
		10	16·15	35·10	25·81	—	—	**N 70 B** / **N 100 B**	31–0	1757	**1817**	KT
		20	15·64	35·08	25·91	—	—					
		30	15·59	35·09	25·93							
		40	15·10	35·08	26·03							
		50	15·08	35·06	26·01							
		60	14·80	35·05	26·07							
WS 686	2	0	20·24	35·47	25·08	0·82	—	**N 50 V**	100–0	**0338**	**0340**	
		10	20·25	35·47	25·08	—	—	**N 70 B** / **N 100 B**	71–0	**0431**	**0450**	KT
		20	20·25	35·46	25·07	0·82	—					
		30	20·25	35·46	25·07	—	—	**N 100 B**	200–70	**0431**	**0457**	Depth estimated
		40	20·17	35·44	25·07	1·03						
		50	19·15	35·27	25·21							
		60	17·44	35·15	25·54	1·56						
		80	16·18	35·11	25·81							
		100	15·40	35·11	25·99	1·82						
		150	14·53	35·06	26·13							
		200	13·90	35·00	26·23	2·22						
		300	12·29	34·88	26·46							
		400	10·16	34·71	26·72	2·85						
		600	7·32	34·58	27·07							
		800	5·90	34·58	27·26	3·02						
		1000	4·78	34·55	27·37							
		1500	3·18	34·65	27·61	3·02						
		2000	1·91	34·63	27·71							
		2500	1·71	34·58	27·68	3·02						
		3000	1·71	34·58	27·68							
		3500	1·64	34·62	27·73	2·57						
WS 687	2	0	19·64	35·26	25·07	0·82	—	**N 50 V**	100–0	**2332**	**2334**	
		10	19·64	35·26	25·07	—	—	**N 70 B** / **N 100 B**	101–0	**0446**	**0506**	KT
		20	19·64	35·26	25·08	0·82	—					
		30	19·64	35·26	25·08	—	—	**N 100 B**	265–100	**0446**	**0517**	Depth estimated
		40	19·64	35·27	25·09	0·95						
		50	19·63	35·27	25·09							
		60	18·83	35·21	25·25	1·22						
		80	16·81	35·16	25·70							
		100	15·00	35·11	26·08	1·69						
		150	13·74	35·01	26·27							
		200	12·89	34·95	26·40	2·22						
		300	11·32	34·85	26·61							
		400	9·17	34·73	26·90	2·22						
		600	7·31	34·61	27·10							
		800	6·16	34·58	27·22	3·42						
		1000	4·79	34·55	27·37							
		1500	3·23	34·59	27·56	3·02						
		2000	2·32	34·64	27·68							
		2500	2·12	34·64	27·70	2·85						
		3000	1·78	34·64	27·73							
		3500	1·79	34·69	27·75	2·57						
		4000	1·73	34·68	27·76							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 688	07° 19′ S, 81° 35′ W	18 vii	1156	—	SSE	4–10	S	3	bc	1013·1	19·2	17·8	mod. short to mod. av. S swell
WS 689	07° 01′ S, 81° 09′ W	18 vii	1915	2094 gn.M	SSE	7–10	S	3	c	1013·0	18·3	17·8	mod. av. S swell
WS 690	07° 03′ S, 80° 40·6′ W	19 vii	0221	95	SSE	7–16	S	2	bc	1012·5	18·3	17·8	mod. short to mod. av. S swell
WS 691	06° 59·8′ S, 80° 15′ W	19 vii	0553	68 R.Sh	SE	4–10	SE	2	c	1013·4	17·8	16·7	low long to mod. short S swell
WS 692	06° 29·3′ S, 80° 33′ W (I)	19 vii	1017	26 gy.S.Sh	S	1–10	SSE	1	c	1014·9	18·1	17·2	low long S swell
	06° 28·2′ S, 80° 37′ W (II)		1115	—	—	—	—	—	—	—	—	—	—
	06° 29·2′ S, 80° 41·6′ W (III)		1157	—	SE	7–10	SE	2	cm	1014·7	18·3	17·4	low long SSE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 688	3	0	18·64	35·14	25·24	1·31	4·80	**N 70 V**	1000–800	1300		
		10	18·58	35·12	25·24	—	—	,,	800–500			
		20	18·56	35·09	25·22	1·31	4·11	,,	500–250			
		30	18·55	35·09	25·22	—	—	,,	250–100			
		40	18·50	35·10	25·25	1·31	3·83	,,	50–0			
		50	18·17	35·15	25·37	—	—	,,	100–50			
		60	17·00	35·12	25·62	1·90	1·41	**N 50 V**	50–0			
		80	15·51	35·08	25·94	—	—	,,	100–50	—	1455	
		100	14·55	35·03	26·11	2·24	0·62	**N 70 B**	91–0	1509	1529	KT
		150	13·51	35·00	26·31	—	—	**N 100 B**				
		200	12·64	34·95	26·45	2·24	0·26	**N 100 B**	240–90	1509	1539	Depth estimated
		300	11·32	34·84	26·61							
		400	9·01	34·67	26·88	2·74	0·17					
		600	6·73	34·57	27·14							
		800	5·45	34·55	27·29	2·74	0·91					
		1000	4·59	34·54	27·38							
		1500	2·97	34·58	27·58	2·74	1·64					
		2000	2·28	34·61	27·67							
		2500	1·86	34·64	27·72	2·74	2·20					
		3000	1·79	34·64	27·72							
		3500	1·79	34·68	27·75	2·47	2·19					
WS 689	3	0	18·54	35·07	25·21	1·31	—	**N 50 V**	100–0	**2115**	**2117**	
		10	18·45	35·17	25·31	—	—	**N 70 B**	130–0	**2201**	**2221**	KT
		20	18·12	35·08	25·32	1·62	—	**N 100 B**				
		30	17·51	35·08	25·47	—	—	**N 100 B**	340–130	**2201**	**2228**	Depth estimated
		40	17·08	35·07	25·56	1·90						
		50	16·00	35·08	25·83							
		60	15·70	35·06	25·88	1·98						
		80	15·50	35·07	25·93							
		100	15·15	35·07	26·01	2·22						
		150	14·11	35·01	26·19							
		200	13·50	34·97	26·29	2·53						
		300	12·20	34·88	26·48							
		400	9·66	34·71	26·81	2·97						
		600	7·60	34·62	27·07							
		800	5·70	34·55	27·26	2·97						
		1000	4·77	34·55	27·37							
		1500	3·19	34·60	27·57	2·97						
		2000	2·16	34·60	27·66							
WS 690	4	0	18·12	35·12	25·35	1·62	—	**N 50 V**	90–0	**0307**	**0309**	
		10	18·12	35·12	25·35							
		20	17·80	35·12	25·43	1·62						
		30	16·72	35·12	25·69							
		40	16·60	35·10	25·71	1·90						
		50	16·20	35·11	25·81							
		60	15·70	35·09	25·90	2·24						
		80	15·10	35·08	26·03							
		90	15·09	35·08	26·03	2·24						
WS 691	3	0	17·39	35·14	25·55	1·62	—	**N 50 V**	50–0	**0628**	**0630**	
		10	17·35	35·13	25·55							
		20	17·21	35·13	25·58	1·62						
		30	16·50	35·14	25·76							
		40	15·95	35·14	25·88	1·90						
		50	15·70	35·13	25·93							
		60	15·70	35·13	25·93	2·15						
WS 692	4	0	17·40	35·12	25·53	1·75	3·42	**N 70 H**	0–5	1048	1108	Haul I
		10	17·19	35·12	25·58	—	—	**N 100 H**	0–10			
		20	17·00	35·16	25·65	2·13	1·76	**N 50 H**	0–5	1059	1101	
	4	—	—	—	—	—	—	**N 70 H**	0–5	1135	1155	Haul II
								N 100 H	0–10			
	4	—	—	—	—	—	—	**N 70 H**	0–5	1157	1217	Haul III

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 693	06° 35·2′ S, 80° 40′ W	1931 19 vii	1310	40 h	SSE	7–10	SSE	2	omr	1013·7	18·2	17·5	low long SSE swell
WS 694	06° 38′ S, 80° 49·9′ W	19 vii	1508	1216 gn.M. bl.G. Sh	SSE	7–10	SSE	2	cp	1012·3	18·6	18·1	low long SSE swell
WS 695	06° 48·2′ S, 80° 55′ W	19 vii	2100	967 d.gn.M	SSE	4–6	S	2	c	1015·2	18·5	17·8	mod. av. SSE swell
WS 696	06° 54·8′ S, 81° 02′ W	20 vii	0025	1902 gy.M	SSE	7–10	SSE	2	b	1014·7	18·4	17·1	mod. av. SSE swell
WS 697	05° 55·5′ S, 81° 09′ W	21 vii	1025	75 bl.S.M	SSW	7–16	S	2	c	1014·7	18·2	16·7	mod. av. SSW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S ‰	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 693	4	0	17·81	35·16	25·45	1·82	—	**N 50 V**	35–0	1333	1334	
		10	17·46	35·12	25·51	—	—	**N 70 B**	}			
		20	17·31	35·13	25·56	1·98	—	**N 100 B**	29–0	1340	1400	KT
		30	16·28	35·13	25·80							
		35	16·22									
WS 694	4	0	18·13	35·13	25·36	1·82	4·07	**N 70 V**	50–0	1703		
		10	17·76	35·13	25·45	—	—	,,	100–50			
		20	17·28	35·13	25·56	1·98	2·43	,,	250–100			
		30	16·47	35·10	25·74	—	—	,,	500–250			
		40	15·85	35·09	25·87	2·41	0·61	,,	100–50			
		50	15·56	35·09	25·94	—	—	,,	750–500			
		60	15·30	35·09	25·99	2·22	1·09	,,	1000–750			
		80	14·86	35·08	26·08	—	—	**N 50 V**	100–0	—	**1855**	
		100	14·72	35·08	26·11	1·90	1·43	**N 70 B**	}			
		150	14·20	35·01	26·17	—	—	**N 100 B**	128–0	**1918**	**1937**	KT
		200	13·70	35·00	26·27	1·90	0·55	**N 100 B**	340–130	**1918**	**1948**	Depth estimated
		300	11·81	34·90	26·57							
		400	9·36	34·72	26·86	2·74	0·39					
		600	7·69	34·63	27·05							
		800	5·58	34·59	27·31	2·74	1·08					
		1000	4·12	34·58	27·46							
WS 695	4	0	18·12	35·12	25·35	1·90	—	**N 50 V**	100–0	**2206**	**2208**	
		10	18·02	35·11	25·38	—	—	**N 100 B**	170–60	**2250**	**2317**	Depth estimated
		20	16·35	35·12	25·78	2·05	—	**N 70 B**	}			
		30	16·12	35·13	25·84	—	—	**N 100 B**	58–0	**2250**	**2310**	KT
		40	15·82	35·12	25·90	2·05						
		50	15·45	35·10	25·97							
		60	15·28	35·10	26·01	2·15						
		80	14·99	35·09	26·06							
		100	14·79	35·07	26·09	2·24						
		150	14·00	35·03	26·23							
		200	13·21	34·97	26·35	2·36						
		300	11·41	34·88	26·63							
		400	9·51	34·74	26·85	2·47						
		600	7·62	34·62	27·06							
		800	5·57	34·58	27·30	2·47						
		900	5·05	34·58	27·36							
WS 696	5	0	18·21	35·11	25·33	1·98	4·33	**N 50 V**	100–0	**0142**	**0144**	
		10	18·21	35·11	25·33	—	—	**N 70 B**	}			
		20	18·00	35·09	25·36	1·90	4·00	**N 100 B**	73–0	**0233**	**0253**	KT
		30	17·21	35·08	25·54	—	—	**N 100 B**	205–75	**0233**	**0302**	Depth estimated
		40	16·81	35·07	25·63	2·05	1·50					
		50	16·13	35·07	25·79							
		60	15·70	35·07	25·88	2·05	1·41					
		80	15·33	35·05	25·95							
		100	15·24	35·05	25·97	2·05	1·47					
		150	14·70	35·05	26·09							
		200	13·81	34·97	26·23	2·47	0·84					
		300	11·35	34·79	26·57							
		400	9·51	34·67	26·80	2·47	0·22					
		600	7·66	34·61	27·05							
		800	5·51	34·53	27·27	2·91	0·35					
		1000	4·58	34·51	27·35							
		1500	3·29	34·58	27·55	2·91	1·74					
WS 697	6	0	16·50	35·06	25·69	—	2·52	**N 50 V**	50–0	1104	1105	
		10	15·92	35·08	25·84	—	—	**N 70 B**	}			
		20	15·80	35·06	25·85	—	1·46	**N 100 B**	37–0	1114	1134	KT
		30	15·55	35·14	25·98							
		40	15·50	35·03	25·90	—	1·06					
		50	15·43	35·05	25·93							
		60	15·36	35·03	25·93	—	1·54					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 698	05° 55′ S, 81° 09·8′ W	1931 21 vii	1139	88	S × W	17–21	S × W	2	. c	1014·0	18·1	16·7	low av. S swell
WS 699	05° 54′ S, 81° 11·7′ W	21 vii	1255	117	S × W	11–16	S × W	3	bc	1013·6	18·6	17·2	low long S swell
WS 700	05° 52′ S, 81° 15·5′ W	21 vii	1426	313 gn.M	S × E	17–21	S × E	3	bc	1012·5	20·1	19·2	low long S × E swell
WS 701	05° 48′ S, 81° 22·5′ W	21 vii	1656	1086 gy.M	S	7–16	S	3	bc	1011·4	18·9	17·8	mod. av. S swell
WS 702	05° 38′ S, 81° 40′ W	21–22 vii	2226	3202 br.M	S	7–16	S	2	bc	1014·2	17·9	17·1	mod. av. SW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*at*	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 698	6	0	16·60	35·03	25·65	—	—	**N 50 V**	50–0	1208	1209	
		10	16·40	35·06	25·72	—	—	**N 70 B**	70–0	1224	1244	KT
		20	16·00	35·06	25·81	—	—	**N 100 B**				
		30	15·87	35·04	25·83							
		40	15·54	35·03	25·89							
		50	15·48	35·04	25·92							
		60	15·40	35·03	25·92							
		80	15·25	35·07	25·99							
WS 699	6	0	17·76	35·06	25·39	—	2·57	**N 50 V**	100–0	1337	1339	Much stray on wire
		10	17·09	35·05	25·54	—	—	**N 70 B**	85–0	1350	1410	KT
		20	16·05	35·05	25·79	—	1·33	**N 100 B**				
		30	15·95	35·05	25·81							
		40	15·75	35·05	25·86	—	1·35					
		50	15·50	35·06	25·92							
		60	15·40	35·06	25·94							
		80	15·31	35·06	25·96							
		100	15·10	35·06	26·01	—	1·08					
WS 700	6	0	18·24	35·13	25·33	—	—	**N 50 V**	100–0	1432	1434	
		10	17·71	35·09	25·43	—	—	**N 70 B**	73–0	1543	1604	KT
		20	16·71	35·12	25·69	—	—	**N 100 B**				
		30	16·28	35·13	25·80	—	—	**N 100 B**	205–73	1543	1614	Depth estimated
		40	15·99	35·06	25·81							
		50	15·71	35·07	25·88							
		60	15·50	35·08	25·94							
		80	15·23	35·07	25·99							
		100	15·11	35·07	26·02							
		150	14·70	35·05	26·09							
		200	14·20	35·05	26·19							
		270	13·95	35·04	26·25							
WS 701	6	0	18·47	35·11	25·26	—	4·75	**N 50 V**	100–0	**1813**	**1815**	
		10	18·12	35·11	25·35	—	—	**N 70 V**	50–0	**1825**		
		20	16·60	35·14	25·73	—	2·18	,,	100–50			
		30	16·40	35·11	25·76	—	—	,,	250–100			
		40	16·07	35·15	25·87	—	1·71	,,	500–250			
		50	15·91	35·15	25·90	—	—	,,	100–50			
		60	15·77	35·17	25·96	—	1·56	,,	750–500			
		80	15·36	35·13	26·01	—	—	,,	1000–0	—	**2015**	
		100	15·10	35·12	26·06	—	1·45	**N 70 B**	59–0	**2023**	**2044**	KT
		150	14·72	35·23	26·23	—	—	**N 100 B**				
		200	14·59	35·08	26·14	—	1·26	**N 100 B**	170–60	**2023**	**2050**	Depth estimated
		300	12·90	34·97	26·42							
		400	10·71	34·81	26·70	—	0·18					
		600	7·47	34·71	27·15							
		800	6·72	34·61	27·17	—	0·50					
		1000	5·72	34·75	27·42							
WS 702	6	0	18·31	35·11	25·30	—	—	**N 50 V**	100–0	**0104**	**0106**	
		10	18·31	35·14	25·32	—	—	**N 70 B**	60–0	**0133**	**0153**	KT
		20	18·22	35·11	25·33	—	—	**N 100 B**				
		30	17·51	35·15	25·53	—	—	**N 100 B**	170–60	**0133**	**0200**	Depth estimated
		40	16·60	35·13	25·72							
		50	16·18	35·12	25·81							
		60	15·41	35·11	25·99							
		80	15·30	35·12	26·01							
		100	15·10	35·11	26·06							
		150	14·80	35·27	26·25							
		200	14·15	35·07	26·22							
		300	12·62	34·96	26·45							
		400	9·57	34·79	26·88							
		600	7·40	34·67	27·12							
		800	5·27	34·74	27·46							
		1000	4·75	34·59	27·40							
		1500	3·39	34·61	27·56							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 702 *cont.*	05° 38′ S, 81° 40′ W	1931 21–22 vii											
WS 703	05° 34′ S, 82° 11·5′ W	22 vii	0700	4724 gy.M	SE	4–10	ESE	2	c	1015·2	18·4	17·2	mod. av. SE swell
WS 704	05° 33′ S, 82° 47′ W	22 vii	1659	—	SE	4–6	SE	1	c	1011·7	19·6	17·8	mod. short SSE swell
WS 705	05° 35·5′ S, 83° 41·8′ W	23 vii	0230	4027 gy.M	SSW	1–6	SE	2	bc	1013·6	19·0	17·7	mod. av. SSE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*at*	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 702 *cont.*	6	2000	2·52	34·67	27·69							
		2500	2·10	34·70	27·74							
		3000	1·85	34·70	27·76							
WS 703	7	0	18·16	35·12	25·34	—	4·56	**N 50 V**	100–0	0915	0917	
		10	18·12	35·13	25·36	—	—	**N 70 B**	68–0	1232	1252	KT
		20	17·97	35·13	25·39	—	4·29	**N 100 B**				
		30	17·58	35·14	25·50	—	—	**N 100 B**	195(–0)	1232	1259	Depth estimated
		40	16·59	35·13	25·73	—	2·47					
		50	16·65	35·13	25·71							
		60	15·70	35·11	25·92	—	1·60					
		80	15·50	35·11	25·97							
		100	15·29	35·10	26·01	—	1·79					
		150	14·90	35·07	26·06							
		200	14·55	35·06	26·13	—	1·14					
		300	12·60	34·97	26·46							
		400	10·11	34·79	26·79	—	0·23					
		600	7·44	34·64	27·10							
		800	6·06	34·55	27·22	—	0·66					
		1000	4·66	34·57	27·39							
		1500	3·08	34·61	27·60	—	1·91					
		2000	2·45	34·64	27·67							
		2500	1·94	34·65	27·71	—	2·60					
		3000	1·77	34·68	27·76							
		3500	1·77	34·68	27·76	—	2·58					
		4000	1·75	34·68	27·76							
		4500	1·81	—	—	—	2·72					
WS 704	7	0	18·63	35·11	25·22	—	—	**N 50 V**	100–0	1800	1802	
		10	18·05	35·11	25·37	—	—	**N 70 B**	60–0	**2004**	**2024**	KT
		20	17·41	35·11	25·52	—	—	**N 100 B**				
		30	17·17	35·11	25·58	—	—	**N 100 B**	170–60	**2004**	**2030**	Depth estimated
		40	17·07	35·14	25·62							
		50	16·96	35·13	25·64							
		60	16·91	35·15	25·67							
		80	16·40	35·14	25·78							
		100	15·57	35·07	25·91							
		150	15·20	35·09	26·02							
		200	14·50	35·03	26·12							
		300	12·35	35·01	26·55							
		400	9·41	34·72	26·85							
		600	7·03	34·62	27·15							
		800	5·58	34·58	27·30							
		1000	4·64	34·58	27·41							
		1500	3·08	34·66	27·63							
		2000	2·35	34·66	27·69							
		2500	1·89	34·70	27·76							
		3000	1·81	34·69	27·75							
		3500	1·79	34·69	27·75							
		3900	1·81	34·68	27·75							
WS 705	8	0	19·02	35·11	25·12	—	4·29	**N 50 V**	100–0	**0406**	**0408**	
		10	19·02	35·20	25·19	—	—	**N 70 V**	50–0	**0414**		
		20	19·02	35·11	25·12	—	4·65	,,	100–50			
		30	18·83	35·09	25·15	—	—	,,	250–100			
		40	16·82	35·14	25·68	—	1·90	,,	500–250			
		50	16·22	35·11	25·81	—	—	,,	750–0			
		60	15·50	35·08	25·94	—	1·09	,,	750–500			
		80	14·94	35·06	26·05	—	—	,,	1000–750	—	0746	
		100	14·76	35·05	26·07	—	1·39	**N 70 B**	91–0	0806	0826	KT
		150	14·35	35·01	26·14	—	—	**N 100 B**				
		200	13·72	35·01	26·28	—	0·50	**N 100 B**	240–90	0806	0834	Depth estimated
		300	12·20	34·93	26·51							
		400	10·21	34·81	26·79	—	0·43					
		600	6·81	34·61	27·16							
		800	5·42	34·53	27·28	—	1·79					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 705 *cont.*	05° 35·5′ S, 83° 41·8′ W	1931 23 vii											
WS 706	05° 37·5′ S, 83° 58′ W	23 vii	0955	—	ESE	4–10	S	2	c	1015·2	21·1	18·3	mod. av. S swell
WS 707	05° 37·5′ S, 84° 31·5′ W	23 vii	1528	—	SE	7–10	SE	2	c	1011·9	20·6	18·6	mod. short SE swell
WS 708	04° 18′ S, 82° 05′ W	24–25 vii	2239	4294 gy.M	SSE	4–6	SSE	2	c	1014·1	18·6	17·8	low long SE swell
WS 709	04° 17′ S, 81° 16·8′ W	25 vii	1040	40	SSW	17–21	S	3	c	1015·4	20·0	18·7	mod. av. S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth metres)	TIME From	TIME To	
WS 705 *cont.*	8	1000	4·53	34·53	27·38							
		1500	3·06	34·59	27·58	—	2·40					
		2000	2·31	34·61	27·65							
		2500	1·95	34·67	27·73	—	2·02					
		3000	1·79	34·67	27·74							
		3500	1·79	34·68	27·75	—	2·73					
		3900	1·82	34·69	27·75							
WS 706	8	0	19·74	35·16	24·97	—	—	**N 50 V**	100–0	1056	1058	
		10	19·72	35·13	24·95	—	—	**N 70 B**	73–0	1118	1139	KT
		20	19·49	35·12	25·00	—	—	**N 100 B**				
		30	18·94	35·12	25·14	—	—	**N 100 B**	205(–0)	1118	1155	Depth estimated
		40	17·50	35·09	25·48	—	—	**NH**	0	1120		
		50	16·82	35·12	25·67							
		60	15·62	35·11	25·94							
		80	14·99	35·09	26·06							
		100	14·79	35·08	26·10							
		150	14·21	35·06	26·20							
		200	13·35	35·00	26·34							
		300	12·20	34·93	26·51							
		400	10·10	34·76	26·76							
WS 707	8	0	20·69	35·16	24·71	—	5·12	**NH**	0	1630		
		10	20·48	35·16	24·77	—	—	**N 50 V**	100–0	1640	1642	
		20	20·42	35·16	24·79	—	3·95	**N 70 B**	115–0	1717	1736	KT
		30	20·24	35·17	24·85	—	—	**N 100 B**				
		40	17·29	35·11	25·55	—	2·17	**N 100 B**	315–115	1717	1747	Depth estimated
		50	16·18	35·08	25·78							
		60	15·80	35·08	25·87	—	0·89					
		80	15·00	35·08	26·05							
		100	14·51	35·07	26·15	—	1·69					
		150	13·80	35·00	26·25							
		200	13·22	34·98	26·36	—	0·45					
		300	11·61	34·86	26·57							
		400	9·40	34·71	26·85	—	0·38					
		600	6·86	34·57	27·12							
		800	5·70	34·54	27·25	—	1·07					
		1000	4·68	34·54	27·37							
WS 708	9	0	18·50	34·81	25·03	—	3·83	**N 50 V**	100–0	**2353**	**2355**	
		10	18·51	34·82	25·03	—	—	**N 70 V**	50–0	**0000**		
		20	15·72	35·07	25·88	—	1·04	,,	100–50			
		30	15·50	35·08	25·94	—	—	,,	250–100			
		40	15·39	35·07	25·95	—	1·92	,,	500–250			
		50	15·30	35·07	25·97	—	—	,,	750–500			
		60	15·29	35·07	25·98	—	2·17	,,	1000–750	—	**0145**	
		80	15·20	35·07	26·00	—	—	**N 70 B**	73–0	**0321**	**0341**	Depth estimated
		100	15·00	35·04	26·02	—	1·60	**N 100 B**				
		150	14·60	35·04	26·11	—	—	**N 100 B**	205–75	**0321**	**0349**	Depth estimated
		200	14·30	35·00	26·14	—	1·43					
		300	12·30	34·87	26·45							
		400	9·24	34·70	26·87	—	0·36					
		600	8·05	34·70	27·06							
		800	6·41	34·56	27·17	—	0·78					
		1000	5·36	34·55	27·30							
		1500	3·54	34·56	27·50	—	1·82					
		2000	2·54	34·64	27·66							
		2500	2·20	34·64	27·69	—	1·99					
		3000	1·82	34·67	27·74							
		3500	1·80	34·85	27·88	—	2·69					
		4000	1·83	34·90	27·93							
WS 709	10	0	22·64	34·15	23·42	0·84	4·05	**N 50 V**	15–0	1115	1116	
		10	21·34	34·39	23·96	—	—	,,	30–15	1129	1130	
		20	16·50	35·08	25·71	1·56	2·03	**N 70 B**	20–0	1135	1155	KT
		30	16·30	35·08	25·76	—	—	**N 100 B**				

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 710	04° 18′ S, 81° 21·3′ W	25 vii	1220	62 h	S	17–21	S	3	bc	1012·1	20·0	18·6	mod. av. S swell
WS 711	04° 19·5′ S, 81° 27′ W	25 vii	1352	1885 gn.M	S	17–27	S	4	bc	1012·1	19·4	17·8	mod. av. S swell
WS 712	04° 20′ S, 81° 37·8′ W	25 vii	1815	—	S	11–21	S	4	bc	1012·4	18·6	17·8	mod. av. S swell
WS 713	04° 20′ S, 81° 47′ W	25 vii	2150	—	SSE	7–16	S	3	bc	1013·9	17·3	16·8	mod. av. S swell
WS 714	04° 20′ S, 81° 57·5′ W	26 vii	0055	—	S × E	11–16	S × E	3	o	1014·2	16·7	15·6	mod. av. S × E swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 710	10	0	21·53	34·44	23·95	0·84	—	**N 50 V**	15–0	1255		
		10	21·24	34·53	24·09	—	—	,,	60–15	—	1301	
		20	16·91	35·08	25·61	1·56	—	**N 70 B**	44–0	1310	1330	KT
		30	16·03	35·13	25·86	—	—	**N 100 B**				
		40	15·70	35·14	25·94	1·56						
		50	15·60	35·10	25·94							
		60	15·50	35·07	25·93	1·56						
WS 711	10	0	21·19	34·53	24·10	0·68	4·04	**N 70 V**	50–0	1525		
		10	21·01	34·57	24·18	—	—	,,	100–50			
		20	18·60	34·92	25·08	0·82	2·76	,,	250–100			
		30	16·20	35·09	25·79	—	—	,,	500–250			
		40	15·90	35·12	25·88	1·50	2·17	,,	750–500			
		50	15·62	35·07	25·90	—	—	,,	1000–750	—	1700	
		60	15·60	35·07	25·91	1·43	1·84	**N 50 V**	100–0	1705	1707	
		80	15·44	35·07	25·94	—	—	**N 70 B**	83–0	1726	1746	KT
		100	15·40	35·08	25·96	1·50	1·66	**N 100 B**				
		150	15·00	35·04	26·02	—	—	**N 100 B**	225–85	1726	1806	Depth estimated
		200	14·70	35·03	26·08	1·56	1·18					
		300	12·00	34·88	26·52							
		400	9·78	34·73	26·80	1·69	0·29					
		600	7·19	34·61	27·11							
		800	5·77	34·61	27·29	1·90	0·83					
		1000	4·66	34·63	27·44							
		1500	3·09	34·60	27·58	1·77	1·65					
WS 712	10	0	20·44	34·68	24·42	0·13	—	**N 50 V**	100–0	**1957**	**1959**	
		10	20·10	34·72	24·54	—	—	**N 70 B**	57–0	**2019**	**2039**	KT
		20	16·60	35·08	25·69	0·13	—	**N 100 B**				
		30	16·29	35·08	25·76	—	—	**N 100 B**	165–55	**2019**	**2046**	Depth estimated
		40	15·85	35·10	25·88	0·55						
		50	15·51	35·10	25·96							
		60	15·48	35·09	25·95	0·82						
		80	15·40	35·09	25·97							
		100	15·36	35·09	25·98	1·03						
		150	14·86	35·09	26·09							
		200	14·10	35·08	26·24	1·16						
		300	11·80	35·00	26·65							
		400	9·91	34·75	26·80	1·63						
WS 713	10	0	16·85	35·21	25·73	0·55	2·83	**N 50 V**	100–0	**2308**	**2310**	
		10	16·82	35·01	25·59	—	—	**N 70 B**	80–0	**2326**	**2346**	KT
		20	16·81	35·05	25·61	0·82	2·66	**N 100 B**				
		30	16·79	35·03	25·60	—	—	**N 100 B**	220–80	**2326**	**2355**	Depth estimated
		40	16·72	35·03	25·62	0·82	2·74					
		50	16·62	35·03	25·64							
		60	16·00	35·05	25·80	0·82	2·19					
		80	15·62	35·10	25·93							
		100	15·36	35·10	25·99	1·16	1·73					
		150	14·90	35·04	26·04							
		200	14·15	35·02	26·20	1·22	1·11					
		300	11·80	34·89	26·56							
		400	9·71	34·77	26·84	1·90	0·30					
		600	7·14	34·65	27·14							
		800	5·57	34·59	27·31	2·05	1·19					
		1000	4·65	34·62	27·45							
		1500	3·10	34·64	27·61	2·13	2·41					
WS 714	11	0	17·01	35·02	25·55	—	—	**N 50 V**	100–0	**0158**	**0200**	
		10	17·01	35·06	25·57							
		20	16·97	35·06	25·58							
		30	15·79	35·05	25·85							
		40	15·45	35·10	25·97							
		50	15·39	35·07	25·95							
		60	15·33	35·08	25·98							
		80	15·25	35·10	26·02							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 714 *cont.*	04° 20′ S, 81° 57·5′ W	1931 26 vii											
WS 715	02° 11·3′ S, 81° 04′ W	31 vii	1554	60 R	S	7–10	S	3	oc	1011·5	22·6	20·4	mod. short SSW swell
WS 716	02° 11′ S, 81° 09′ W	31 vii	1718	90 R	S	7–19	S	3	c	1011·0	22·2	20·3	mod. short SSW swell
WS 717	02° 12′ S, 81° 18·5′ W	31 vii	1917	1650 gy.M	SSW	7–10	S	3	c	1012·3	21·6	18·8	mod. short SSW swell
WS 718	02° 11′ S, 81° 33·5′ W	1 viii	0022	—	SW × S	7–10	SW × S	3	o	1014·3	21·4	20·0	mod. av. SW × S swell
WS 719	02° 11′ S, 81° 53′ W	1 viii	0435	3109	SSW	4–6	SSW	2	cm	1012·2	20·3	19·2	mod. short SSW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 714 *cont.*	11	100	15·19	35·07	26·00							
		150	14·59	35·04	26·11							
		200	13·91	35·01	26·24							
		300	11·70	34·86	26·55							
		400	9·91	34·78	26·82							
WS 715	16	0	24·30	33·76	22·64	—	—	**N 50 V**	50–0	1617	1618	
		10	24·29	33·76	22·64	—	—	**N 70 B**	54–0	1627	1647	KT
		20	22·28	33·98	23·39	—	—	**N 100 B**				
		30	20·24	34·50	24·33							
		40	17·62	34·83	25·25							
		50	15·90	35·01	25·80							
WS 716	16	0	24·43	33·79	22·63	—	—	**N 50 V**	50–0	1744	1745	
		10	24·45	33·82	22·64	—	—	**N 70 B**	90–0	1754	1814	KT
		20	24·41	33·83	22·66	—	—	**N 100 B**				
		30	20·95	34·41	24·08							
		40	19·52	34·71	24·69							
		50	16·58	34·97	25·62							
		60	15·20	35·03	25·97							
		80	15·01	35·04	26·02							
WS 717	17	0	24·22	33·83	22·72	—	—	**N 50 V**	100–0	**2017**	**2019**	
		10	24·22	33·83	22·72	—	—	**N 70 V**	50–0	**2024**		
		20	24·22	33·83	22·72	—	—	,,	100–50			
		30	20·45	34·51	24·29	—	—	,,	250–500			
		40	18·59	34·77	24·97	—	—	,,	500–250			
		50	15·42	35·04	25·93	—	—	,,	750–500			
		60	15·29	35·03	25·95	—	—	,,	1000–750	—	**2200**	
		80	15·21	35·08	26·00	—	—	**N 70 B**	101–0	**2219**	**2239**	KT
		100	15·19	35·05	25·98	—	—	**N 100 B**				
		150	14·50	35·03	26·12	—	—	**N 100 B**	265–100	**2219**	**2245**	Depth estimated
		200	14·21	34·99	26·15							
		300	11·51	34·83	26·57							
		400	9·58	34·71	26·82							
		600	7·24	34·61	27·10							
		800	5·42	34·58	27·32							
		1000	4·60	34·56	27·39							
		1500	3·49	34·61	27·55							
WS 718	17	0	23·85	33·87	22·86	—	—	**N 50 V**	100–0	**0126**	**0128**	
		10	23·84	33·87	22·86	—	—	**N 70 B**	128–0	**0148**	**0208**	KT
		20	23·82	33·87	22·87	—	—	**N 100 B**				
		30	19·41	34·65	24·66	—	—	**N 100 B**	340–130	**0148**	**0220**	Depth estimated
		40	17·71	34·97	25·34							
		50	15·89	35·05	25·82							
		60	15·59	35·06	25·90							
		80	15·46	35·03	25·91							
		100	15·11	35·07	26·02							
		150	14·79	35·00	26·04							
		200	14·32	34·99	26·13							
		300	11·65	34·84	26·55							
		400	10·17	34·73	26·73							
WS 719	17	0	23·00	33·91	23·13	—	4·79	**N 50 V**	100–0	**0557**	**0559**	
		10	23·00	33·91	23·13	—	—	**N 70 V**	50–0	**0604**		
		20	22·99	34·06	23·25	—	4·69	,,	100–50			
		30	18·11	34·81	25·12	—	—	,,	250–100			
		40	16·95	35·04	25·58	—	1·73	,,	500–250			
		50	16·10	35·06	25·79	—	—	,,	750–500	—	0730	
		60	15·75	35·06	25·87	—	2·12	**N 70 B**	103–0	0837	0857	KT
		80	15·39	35·08	25·96	—	—	**N 100 B**				
		100	15·21	35·04	25·98	—	2·01	**N 100 B**	270–103	0837	0905	Depth estimated
		150	14·76	35·01	26·05	—	—	**TYFB**	550(–0)	0837	0920	Depth estimated
		200	14·28	34·99	26·14	—	1·07					
		300	12·20	34·89	26·48							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 719 *cont.*	02° 11′ S, 81° 53′ W	1 viii											
WS 720	02° 52·3′ S, 82° 19·5′ W	1 viii	1725	—	S	11–16	S	3–4	oc	1011·5	19·2	17·8	mod. av. S × E swell
WS 721	03° 29′ S, 82° 51′ W	2 viii	0125	—	S × W	11–16	S × W	4	oc	1013·7	18·6	17·2	mod. av. S swell
WS 722	04° 20·4′ S, 83° 03′ W	2 viii	1030	—	SE	7–16	SE	3	c	1014·8	18·9	17·2	mod. av. S swell
WS 723	05° 01·5′ S, 83° 49′ W	2 viii	2130	—	SE	11–21	S	4	c	1013·8	18·5	17·3	mod. av. S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 719 *cont.*	17	400	10·52	34·71	26·66	—	0·25					
		600	7·57	34·62	27·07							
		800	5·74	34·56	27·26	—	1·14					
		1000	4·97	34·57	27·36							
		1500	3·73	34·61	27·53	—	1·52					
		2000	2·58	34·61	27·64							
		2500	2·02	34·62	27·70	—	2·11					
		3000	1·75	34·67	27·75							
WS 720	17	0	21·06	34·29	23·95	—	—	**N 50 V**	100–0	1828	**1830**	
		10	21·06	34·28	23·95	—	—	**N 70 B**	80–0	**1850**	**1910**	KT
		20	19·95	34·59	24·48	—	—	**N 100 B**				
		30	16·30	35·10	25·78	—	—	**N 100 B**	220–80	**1850**	**1916**	Depth estimated
		40	15·90	35·11	25·88							
		50	15·71	35·12	25·92							
		60	15·54	35·11	25·96							
		80	15·40	35·05	25·93							
		100	15·32	35·11	26·01							
		150	14·80	35·07	26·08							
		200	13·95	35·05	26·25							
		300	12·30	34·94	26·50							
		400	10·11	34·82	26·82							
WS 721	18	0	19·15	34·74	24·81	—	—	**N 50 V**	100–0	**0228**	**0230**	
		10	19·15	34·74	24·81	—	—	**N 70 B**	84–0	**0251**	**0311**	
		20	19·15	34·74	24·81	—	—	**N 100 B**	225 85	**0251**	**0319**	Depth estimated
		30	18·84	34·82	24·95							
		40	18·43	34·97	25·17							
		50	15·79	35·17	25·94							
		60	15·58	35·24	26·05							
		80	15·40	35·15	26·02							
		100	15·20	35·10	26·03							
		150	14·75	35·08	26·10							
		200	14·19	35·07	26·21							
		300	11·80	34·94	26·60							
		400	10·04	34·82	26·83							
WS 722	18	0	18·54	35·06	25·20	—	4·45	**N 50 V**	100–0	1138	1140	
		10	18·54	35·06	25·20	—	—	**N 70 B**	102–0	1321	1341	KT
		20	18·53	35·03	25·18	—	4·40	**N 100 B**				
		30	18·53	35·06	25·20	—	—	**N 100 B**	270–100	1321	1351	Depth estimated
		40	17·81	35·10	25·42	—	2·96	**TYFB**	1200(–0)	1321	1425	Depth estimated
		50	16·32	35·13	25·79							
		60	16·00	35·14	25·87	—	1·63					
		80	15·60	35·12	25·95							
		100	15·22	35·12	26·03	—	1·07					
		150	15·02	35·09	26·06							
		200	14·00	35·07	26·25	—	0·41					
		300	11·85	34·93	26·58							
		400	9·51	34·77	26·87	—	0·23					
		600	7·67	34·65	27·06							
		800	5·81	34·58	27·27	—	0·56					
		1000	4·34	34·57	27·43							
		1500	3·11	34·65	27·61	—	1·60					
		2000	2·36	34·67	27·70							
		2500	1·93	34·67	27·73	—	2·46					
		3000	1·76	34·75	27·82							
		3500	1·72	34·66	27·74	—	1·48					
WS 723	18	0	18·42	35·07	25·24	—	—	**N 50 V**	100–0	**2233**	**2235**	
		10	18·42	35·06	25·23	—	—	**N 70 B**	76–0	**2255**	**2315**	KT
		20	18·44	35·07	25·23	—	—	**N 100 B**				
		30	18·43	35·09	25·25	—	—	**N 100 B**	210–75	**2255**	**2322**	Depth estimated
		40	18·32	35·08	25·27							
		50	16·42	35·17	25·80							
		60	16·14	35·12	25·82							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 723 *cont.*	05° 01·5′ S, 83° 49′ W	1931 2 viii											
WS 724	05° 35·7′ S, 84° 33′ W	3 viii	0630	—	SSE	11–21	S × E	4	c	1014·0	18·9	16·7	mod. av. SSE swell
WS 725	06° 25′ S, 85° 04·2′ W	3 viii	1432	—	SE	17–27	SE	5	bc	1014·4	18·9	16·8	heavy av. SE swell
WS 726	07° 20′ S, 85° 12·5′ W	4 viii	0006	—	SE	22–27	SE	5	bcqp	1017·1	18·3	18·3	heavy av. SE swell
WS 727	12° 09·5′ S, 77° 15′ W	7 viii	0730	—	SSE	7–10	SSE	3	o	1015·5	15·6	14·4	mod. long SSE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 723 *cont.*	18	80	15·72	35·13	25·93							
		100	15·24	35·12	26·03							
		150	14·40	35·06	26·16							
		200	13·63	35·04	26·31							
		300	12·41	34·95	26·49							
		400	10·56	34·82	26·74							
WS 724	19	0	20·06	35·20	24·92	—	—	**N 50 V**	100–0	0732	0734	
		10	20·06	35·20	24·92							
		20	20·07	35·18	24·91							
		30	20·03	35·23	24·95							
		40	19·96	35·22	24·97							
		50	17·01	35·23	25·71							
		60	15·68	35·16	25·96							
		80	15·31	35·16	26·04							
		100	14·62	35·08	26·13							
		150	13·99	35·23	26·38							
		200	13·22	34·97	26·34							
		300	11·61	34·86	26·57							
		400	10·01	34·78	26·80							
WS 725	19	0	20·13	35·20	24·90	—	—	**N 50 V**	100–50	1533		
		10	20·10	35·18	24·90	—	—	,,	50–0	—	1545	
		20	20·04	35·20	24·92	—	—	**N 70 B**	89–0	1607	1626	KT
		30	20·00	35·21	24·94	—	—	**N 100 B**				
		40	19·96	35·19	24·94	—	—	**N 100 B**	235–90	1607	1632	Depth estimated
		50	19·24	35·21	25·14							
		60	15·78	35·11	25·91							
		80	14·62	35·08	26·13							
		100	14·20	35·08	26·22							
		150	13·50	35·00	26·31							
		200	13·05	34·97	26·38							
		300	11·51	34·89	26·62							
		400	9·89	34·76	26·80							
WS 726	20	0	20·02	35·27	24·99	—	4·94	**N 50 V**	100–50	**0200**		
		10	20·02	35·28	24·99	—	—	,,	50–0	—	**0230**	
		20	20·11	35·25	24·94	—	5·00	**N 70 B**	130–0	**0349**	**0410**	KT
		30	20·11	35·25	24·94	—	—	**N 100 B**				
		40	20·03	35·28	24·98	—	4·71	**N 100 B**	340–130	**0349**	**0419**	Depth estimated
		50	20·11	35·27	24·96							
		60	17·60	35·23	25·56	—	1·76					
		80	14·74	35·06	26·09							
		100	14·13	35·09	26·25	—	0·84					
		150	13·41	35·04	26·36							
		200	12·90	34·97	26·41	—	0·26					
		300	11·79	34·89	26·56							
		400	10·26	34·79	26·77	—	0·27					
		600	8·73	34·66	26·91							
		800	6·75	34·64	27·19	—	0·39					
		1000	5·63	34·56	27·27							
		1500	3·68	34·56	27·49	—	1·40					
		2000	2·57	34·61	27·63							
		2500	2·09	34·66	27·71	—	1·80					
		3000	1·79	34·68	27·75							
		3500	1·79	34·70	27·77	—	1·59					
WS 727	23	0	14·88	35·08	26·08	—	—	**N 50 V**	50–0	0813	0814	
		10	14·77	35·08	26·10	—	—	**N 70 H**	0–5	0824	0844	
		20	14·63	—	—	—	—	**N 100 H**				
		30	14·61	35·01	26·09							
		40	14·61	35·03	26·10							
		50	14·56	35·18	26·23							
		58	14·57									

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 728	12° 09·5′ S, 77° 15′ W	1931 20 viii	0806	—	SW	4–6	SW	2	o	1011·7	15·3	14·4	low long SW swell
WS 729	12° 11·5′ S, 77° 20′ W	20 viii	0948	—	SW	4–6	SW	1	o	1011·7	15·6	14·4	low long S swell
WS 730	12° 15′ S, 77° 27′ W	20 viii	1204	168	SSW	4–6	—	o	bc	1013·7	16·1	15·0	mod. short SSW swell
WS 731	12° 22′ S, 77° 40′ W	20 viii	1502	—	SSE	4–6	S	2	c	1011·2	16·1	15·2	mod. short S swell
WS 732	12° 36′ S, 78° 07′ W	20 viii	2021	—	S	4–10	S	3	c	1013·2	14·6	13·9	mod. short S swell
WS 733	12° 54·5′ S, 78° 43′ W	21 viii	0500	—	SE	7–10	SE	2	o	1014·0	15·6	13·9	low long SE swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres	TIME From	TIME To	
WS 728	7	0	15·73	35·04	25·86	—	—	**N 50 V**	50–0	0830	0831	
		10	15·59	35·04	25·89	—	—	**N 70 V**	50–0	0835	0836	
		20	15·36	35·03	25·93	—	—	**N 70 B**	51–0	0848	0908	KT
		30	14·86	35·02	26·04	—	—	**N 100 B**				
		40	14·43	35·00	26·12							
		50	14·11	35·00	26·18							
WS 729	7	0	16·64	35·17	25·76	—	—	**N 50 V**	100–0	1023	1025	
		10	16·47	35·12	25·75	—	—	**N 70 V**	50–0	1035		
		20	15·71	35·08	25·89	—	—	,,	100–50	—	1050	
		30	14·70	35·02	26·08	—	—	**N 70 B**	80–0	1058	1118	KT
		40	14·51	35·01	26·11	—	—	**N 100 B**				
		50	14·25	34·99	26·15							
		60	14·00									
		80	13·77	34·98	26·25							
		100	13·51	34·95	26·27							
WS 730	7	0	17·57	35·41	25·71	—	—	**N 50 V**	100–0	1246	1248	
		10	17·26	35·29	25·69	—	—	**N 70 B**	88–0	1304	1324	KT
		20	16·91	35·24	25·74	—	—	**N 100 B**				
		30	14·48	35·04	26·14							
		40	14·11	35·04	26·21							
		50	14·01	35·02	26·22							
		60	13·93	35·01	26·23							
		80	13·81	34·99	26·24							
		100	13·43	34·97	26·31							
		150	13·17	34·96	26·34							
WS 731	7	0	17·72	35·34	25·62	—	—	**N 50 V**	100–0	1600	1602	
		10	17·62	35·35	25·65	—	—	**N 70 B**	117–0	1628	1648	KT
		20	17·58	35·35	25·66	—	—	**N 100 B**				
		30	17·56	35·35	25·67	—	—	**N 100 B**	320–115	1628	1657	Depth estimated
		40	17·53	35·35	25·68							
		50	14·89	34·97	26·00							
		60	14·43	34·97	26·10							
		80	13·61	34·97	26·27							
		100	13·26	34·96	26·32							
		150	12·69	34·96	26·44							
		200	12·00	34·91	26·54							
		300	10·99	34·82	26·66							
		400	9·50	34·71	26·84							
WS 732	7	0	16·51	35·20	25·80	—	—	**N 50 V**	100–0	**2128**	**2130**	
		10	16·51	35·16	25·77	—	—	**N 70 B**	97–0	**2219**	**2239**	KT
		20	16·49	35·16	25·77	—	—	**N 100 B**				
		30	16·44	35·16	25·78	—	—	**N 100 B**	255–95	**2219**	**2249**	Depth estimated
		40	16·15	35·16	25·85							
		50	16·02	35·16	25·88							
		60	16·01	35·16	25·88							
		80	14·63	34·98	26·06							
		100	13·82	34·96	26·21							
		150	13·06	34·93	26·34							
		200	12·30	34·92	26·49							
		300	10·90	34·81	26·67							
		400	9·19	34·69	26·86							
		600	6·83	34·58	27·13							
		800	5·55	34·53	27·26							
		1000	4·54	34·57	27·41							
WS 733	7	0	15·91	35·11	25·88	—	—	**N 50 V**	100–0	**0615**	**0617**	
		10	15·91	35·10	25·87	—	—	**N 70 B**	117–0	0635	0655	KT
		20	15·91	35·10	25·87	—	—	**N 100 B**				
		30	15·85	35·10	25·88	—	—	**N 100 B**	320–115	0635	0703	Depth estimated
		40	15·84	35·10	25·88							
		50	15·81	35·10	25·89							
		60	15·80	35·11	25·90							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 733 *cont.*	12° 54·5′ S, 78° 43′ W	1931 21 viii											
WS 734	13° 16·5′ S, 79° 27·5′ W	21 viii	1247	$\dot{\overline{4627}}$	S	7–10	S	2	c	1013·5	16·7	15·0	mod. short S swell
WS 735	17° 47′ S, 77° 36′ W	23 viii	0845	—	SE	11–16	SE	4	c	1020·0	16·1	13·9	mod. av. SE swell
WS 736	22° 37·3′ S, 75° 27′ W	25 viii	0445	—	S × E	11–16	S × E	3	bc	1022·6	15·0	11·0	low long S × E swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 733 *cont.*	7	80	15·36	35·04	25·94							
		100	13·81	34·98	26·24							
		150	13·16	34·93	26·32							
		200	12·45	34·92	26·46							
		300	11·14	34·84	26·65							
		400	9·60	34·74	26·84							
		600	6·98	34·57	27·10							
		800	5·45	34·52	27·26							
		1000	4·52	34·52	27·37							
WS 734	8	0	17·16	35·47	25·86	—	—	**N 50 V**	100–0	1635	1637	
		10	17·09	35·34	25·77	—	—	**N 70 B**	165–0	1724	1744	KT
		20	17·05	35·34	25·78	—	—	**N 100 B**				
		30	17·04	35·34	25·78	—	—	**N 100 B**	430–165	1724	1754	Depth estimated
		40	17·03	35·34	25·79							
		50	17·02	35·34	25·79							
		60	17·01	35·34	25·79							
		80	16·92	35·28	25·76							
		100	15·04	35·03	26·00							
		150	13·21	34·95	26·33							
		200	12·35	34·86	26·43							
		300	11·07	34·83	26·65							
		400	9·07	34·67	26·87							
		600	7·01	34·54	27·08							
		800	5·64	34·51	27·23							
		1000	4·61	34·52	27·36							
		1500	3·24	34·57	27·54							
		2000	2·73	34·59	27·61							
		2500	2·16	34·66	27·71							
		3000	1·86	34·67	27·74							
		3500	1·83	34·68	27·75							
		4000	1·81	34·67	27·74							
WS 735	9	0	16·71	35·12	25·69	—	—	**N 50 V**	100–0	0934	0936	
		10	16·71	35·12	25·69	—	—	**N 70 B**	99–0	0953	1013	KT
		20	16·71	35·12	25·69	—	—	**N 100 B**				
		30	16·71	35·13	25·70	—	—	**N 100 B**	265–100	0953	1024	Depth estimated
		40	16·71	35·14	25·71							
		50	16·71	35·15	25·72							
		60	16·63	35·17	25·76							
		80	16·67	35·18	25·76							
		100	15·77	35·03	25·84							
		150	12·66	34·69	26·23							
		200	11·84	34·74	26·44							
		300	10·78	34·76	26·64							
		400	9·96	34·70	26·75							
		600	7·67	34·60	27·03							
		800	5·86	34·50	27·19							
		1000	4·80	34·51	27·33							
WS 736	11	0	16·35	34·79	25·53	—	—	**N 50 V**	100–0	**0556**	**0558**	
		10	16·37	34·79	25·52	—	—	**N 70 B**	155–0	0747	0807	KT
		20	16·38	34·79	25·52	—	—	**N 100 B**				
		30	16·37	34·79	25·52	—	—	**N 100 B**	400–155	0747	0820	Depth estimated
		40	16·37	34·79	25·52							
		50	16·36	34·78	25·51							
		60	16·31	34·77	25·52							
		80	16·29	34·76	25·51							
		100	16·22	34·76	25·53							
		150	11·70									
		200	11·85	34·82	26·50							
		300	10·45	34·71	26·67							
		400	8·74	34·69	26·93							
		600	6·47	34·58	27·18							
		800	5·96	34·48	27·17							
		1000	4·58	34·48	27·33							

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 736 *cont.*	22° 37·3′ S, 75° 27′ W	1931 25 viii											
WS 737	27° 23′ S, 73° 40′ W	27 viii	0100	—	SSE	17–21	S × E	4–5	b	1021·1	13·9	12·2	mod. av. to mod. long S × E swell
WS 738	32° 04·5′ S, 71° 36′ W	28 viii	1930	216	S	22–27	S	5	b	1020·8	11·9	10·4	mod. av. S swell
WS 739	32° 05′ S, 71° 47·5′ W	28–29 viii	2208	—	S	22–27	S	5	b	1020·7	11·9	10·6	mod. av. S swell
WS 740	33° 56′ S, 72° 15′ W	3 ix	2000	—	SW × S	11–16	SW × S	4	b	1020·6	11·9	10·6	heavy av. SW × S swell
WS 741	36° 00′ S, 73° 15·5′ W	4 ix	2000	—	SW	11–16	SW	4	b	1022·9	11·4	10·0	heavy short SW swell
WS 742	38° 22′ S, 73° 41′ W	5 ix	2000	—	NNW	4–6	NNW	2	o	1017·9	11·1	10·6	low short NNW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.^{3}	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 736 *cont.*	11	1500	3·05	34·60	27·58							
		2000	2·28	34·62	27·68							
		2500	2·03	34·61	27·69							
		3000	1·89	34·67	27·74							
		3500	1·81									
		4000	1·76	34·67	27·75							
WS 737	13	0	14·58	34·48	25·68	—	—	**N 50 V**	100–0	**0200**	**0202**	
		10	14·59	34·48	25·68	—	—	**N 70 B**	150–0	**0225**	**0247**	Depth estimated
		20	14·59	34·48	25·68	—	—	**N 100 B**	390–150	**0225**	**0250**	Depth estimated
		30	14·54	34·48	25·69							
		40	14·51	34·48	25·70							
		50	14·38	34·43	25·69							
		60	13·51	34·37	25·82							
		80	12·62	34·31	25·95							
		100	12·19	34·30	26·03							
		150	10·88	34·41	26·36							
		200	11·00	34·67	26·54							
		300	9·97	34·65	26·70							
		400	8·99	34·60	26·82							
		600	5·97	34·42	27·11							
		800	4·99	34·42	27·23							
		1000	4·33	34·50	27·37							
WS 738	14	0	12·10	34·23	26·00	—	—	**N 50 V**	100–0	**2024**	**2026**	
		10	12·10	34·23	26·00	—	—	**N 70 B**	137–0	**2041**	**2101**	KT
		20	12·10	34·23	26·00	—	—	**N 100 B**				
		30	12·05	34·23	26·00							
		40	11·49	34·33	26·18							
		50	11·30	34·40	26·27							
		60	11·20	34·40	26·29							
		80	10·83	34·41	26·37							
		100	11·12	34·58	26·45							
		150	11·06	34·66	26·52							
		200	10·80	34·67	26·57							
WS 739	14	0	12·81	34·09	25·74	—	—	**N 50 V**	100–0	**2310**	**2312**	
		10	12·81	34·12	25·77	—	—	**N 70 B**	100–0	**2336**	**2356**	Depth estimated
		20	12·81	34·12	25·77	—	—	**N 100 B**				
		30	12·81	34·12	25·77	—	—	**N 100 B**	—	**2336**	**0006**	
		40	12·81	34·13	25·77							
		50	12·80	34·14	25·79							
		60	11·70	34·14	26·00							
		80	11·20	34·25	26·17							
		100	10·85	34·30	26·28							
		150	10·42	34·48	26·50							
		200	10·16	34·57	26·61							
		300	9·82	34·52	26·63							
		400	8·20	34·49	26·86							
WS 740	21	0	12·08	—	—	—	—	**N 50 V**	100–0	**2000**	**2002**	+4 hours
								N 70 B	132–0	**2041**	**2101**	KT
								N 100 B				
								N 100 B	340–132	**2041**	**2111**	Depth estimated
WS 741	22	0	11·95	—	—	—	—	**N 50 V**	100–0	**2004**	**2006**	
								N 70 B	135–0	**2029**	**2049**	Depth estimated
								N 100 B				
WS 742	23	0	11·27	—	—	—	—	**BTS**	58–47	1755	**1820**	Haul A
								BTS	47–35	**1845**	**1945**	Haul B
								N 50 V	35–0	**2010**	**2012**	
								N 70 B	23–0	**2033**	**2103**	KT
								N 100 B				

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 743	41° 05′ S, 74° 05′ W	8 ix	2000	170	SSW	7–10	SSW	3	b	1008·3	7·4	5·3	mod. av. SSW swell
WS 744	43° 40·5′ S, 75° 07·5′ W	9 ix	2000	—	SE	17–21	SE	4	o	1012·9	7·8	4·4	heavy av. SE swell
WS 745	46° 41′ S, 75° 45′ W	10 ix	2000	—	SSE	7–10	SSE	2	b	1025·8	7·2	4·4	mod. av. SSE swell
WS 746	53° 28′ S, 72° 44′ W	16 ix	0800	632	SE	7–10	SE	2	bc	1027·7	3·1	1·7	no swell
WS 747	53° 55·5′ S, 71° 16′ W	16 ix	1445	335	E	7–16	E	2–3	bc	1016·3	7·7	5·5	no swell
WS 748	53° 41·5′ S, 70° 55′ W	16 ix	1746	300	Lt airs	0–3	—	0	bc	1026·8	6·9	5·4	no swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS						BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	P. mg. atom m.³	O_2 c.c. litre	Gear	Depth (metres)	TIME From	TIME To	
WS 743	25	0	9·90	—	—	—	—	**N 50 V**	100–0	**2005**	**2007**	
								N 70 B / **N 100 B**	146–0	**2036**	**2056**	KT
WS 744	27	0	9·34	—	—	—	—	**N 50 V**	100–0	**2005**	**2007**	
								N 70 B / **N 100 B**	115–0	**2023**	**2043**	KT
WS 745	28	0	8·45	—	—	—	—	**N 50 V**	100–0	**2008**	**2010**	
								N 70 B / **N 100 B**	100–0	**2021**	**2043**	Depth estimated
WS 746	4	0	5·59	30·26	23·88	—	—	**N 50 V**	100–0	0827	0829	
		600	8·41	33·30	25·89	—	—	**N 70 B** / **N 100 B**	128–0	0853	0912	KT
WS 747	5	0	6·21	30·90	24·31	—	—	**N 50 V**	100–0	1513	1515	
		300	6·62	31·17	24·48	—	—	**N 70 B** / **N 100 B**	74–0	1525	1545	KT
WS 748	5	0	6·12	30·87	24·30	—	—	**N 50 V**	100–0	**1810**	**1812**	
		300	6·37	31·13	24·48	—	—	**N 70 B**	100–0	**1834**	**1855**	Depth estimated
								NR	300(–0)	**1827**	**1915**	Depth estimated

R.R.S. 'WILLIAM SCORESBY'
TRAWLING SURVEY
STATIONS WS 749–882

18. ix. 1931—19. iv. 1932

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 749	52° 39·5′ S, 69° 53·5′ W	18 ix	1052	40	Lt airs	0–3	—	0	bc	1020·5	5·3	4·7	no swell
WS 750	52° 12′ S, 67° 19′ W	19 ix	0030	95	NE	1–6	—	0	bc	1011·9	5·4	5·0	low long NE swell
WS 751	51° 50·5′ S, 65° 17·5′ W	19 ix	1200	145	N × E	7–10	NE	4–5	bc	1007·3	6·1	5·6	mod. av. NE swell
WS 752	51° 20′ S, 63° 17′ W	19–20 ix	2330	160	N × W	7–10	N × W	4–5	b	1012·3	6·1	5·0	mod. av. N × W swell
WS 753	50° 58·5′ S, 61° 04′ W	20 ix	1119	106	NNE	1–6	NW	2	c	1014·5	7·1	5·6	mod. short NW swell
WS 754	51° 09·5′ S, 58° 54′ W	20 ix	2230	111	NNE	17–27	NNE	4	o	1010·1	4·6	4·3	mod. long N swell
WS 755	51° 39′ S, 57° 39′ W	21 ix	0740	—	N	17–21	N	4	o	1016·5	5·6	3·9	mod. short N swell
WS 756	From 50° 53′ S, 60° 00′ W	10 x	0700	119 bl.G. gn.M.S	N × E	11–16	NE	3	c	1023·5	4·2	2·8	mod. short N swell
	to 50° 56·3′ S, 59° 56′ W		1130										
	to 50° 59·5′ S, 59° 52′ W		1545	90	NNE	17–21	NNE	4–5	o	1019·5	4·4	3·3	mod. long NNE swell
WS 757	49° 56′ S, 60° 33′ W	11 x	1100	166	N × W	7–10	N	4	c	1019·1	6·9	6·4	mod. av. N swell
WS 758	48° 32′ S, 61° 19′ W	12 x	0000	112 R	N	7–10	N	3	of	1013·9	6·0	5·6	mod. av. N swell
WS 759	47° 08′ S, 62° 06′ W	12 x	1605	135	NNE	17–21	NNE	4–5	bc	996·1	8·9	7·8	mod. av. NNE swell
WS 760	45° 40′ S, 62° 26′ W	13 x	0600	110	SW	17–21	SW	5–9	o	1007·7	6·7	6·1	heavy av. conf. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S°/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 749	6	0	3·52	31·47	25·06	**N 50 V**	40–0	1105	1107	+4 hours
		40	3·49	31·55	25·11	**N 70 B**	25–0	1139	1159	Depth estimated
						N 100 B				
						NR	40(–0)	1139	1206	
WS 750	7	0	4·77	33·09	26·21	**N 50 V**	90–0	**0104**	**0106**	
		90	4·79	33·10	26·21	**N 100 B**	80–0	**0137**	**0157**	KT
						NR	95(–0)	**0137**	**0207**	
WS 751	7	0	5·01	33·23	26·30	**N 50 V**	100–0	1230	1232	
		140	5·00	33·26	26·32	**N 70 B**	102–0	1300	1317	KT
						N 100 B				
						NR	145(–0)	1300	1335	
WS 752	8	0	5·13	33·49	26·49	**N 50 V**	100–0	**2357**	**2359**	
		155	5·20	33·52	26·51	**N 70 B**	77–0	**0031**	**0051**	KT
						N 100 B				
						NR	160(–0)	**0031**	**0110**	
WS 753	8	0	5·00	33·78	26·74	**N 50 V**	102–0	1119	1121	
		100	4·92	33·79	26·76	**N 70 B**	73–0	1201	1221	KT
						N 100 B				
						NR	106(–0)	1201	1231	
WS 754	9	0	3·98	33·77	26·83	**N 50 V**	100–0	**2252**	**2254**	
		100	3·79	33·77	26·85	**N 70 B**	82–0	**2311**	**2331**	KT
						N 100 B				
						NR	111(–0)	**2311**	**2342**	
WS 755	10	0	4·25	33·78	26·82	**N 50 V**	70–0	0808	0810	
		70	4·17	33·78	26·83	**N 70 B**	50–0	0825	0845	Depth estimated
						N 100 B				
						NR	75(–0)	0825	0853	
WS 756	28	0	4·32	33·75	26·78	**N 50 V**	100–0	0744	0746	+3 hours
		110	4·02	33·70	26·77	**DC**	119	0800		
						N 70 B	75–0	0845	0905	KT. **N 100 B** did not fish properly
						N 100 B				
	28	—	—	—	—	**NR**	119(–0)	0845	0920	
						OTC	119–104	1028	1130	Haul A
						OTC				
						N 7-T	104–90	1435	1545	Haul B. **N 4-T** did not fish properly
						N 4-T				
						NCS-T				
WS 757	29	0	5·40	33·83	26·73	**N 50 V**	100–0	1126	1128	
		160	5·27	33·83	26·75	**N 70 B**	139–0	1200	1220	KT
						N 100 B				
						NR	166(–0)	1200	1237	
WS 758	1	0	5·72	33·69	26·57	**N 50 V**	100–0	**0014**	**0016**	
		110	5·30	33·76	26·68	**N 70 B**	94–0	**0054**	**0114**	KT
						N 100 B				
						NR	112(–0)	**0054**	**0130**	
WS 759	1	0	6·61	33·61	26·40	**N 70 B**	88–0	1658	1718	KT
		130	6·06	33·74	26·57	**N 100 B**				
						NR	135(–0)	1658	1730	
						N 50 V	100–0	1744	1746	
WS 760	2	0	7·33	33·38	26·12	**N 50 V**	100–0	0620	0622	
		110	6·21	33·56	26·42	**N 70 B**	62–0	0715	0735	KT. **N 70 B** did not fish properly
						N 100 B				
						NR	110(–0)	0715	0750	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 761	44° 22′ S, 63° 02′ W	13 x	1800	97 gn.S.M	SW × S	11–16	SW × S	4	bc	1011·3	8·3	6·7	mod. av. SW × S swell
WS 762	From 43° 48·5′ S, 65° 00′ W	16 x	0615	68 gy.S.M	W × S	11–16	W × S	2	bc	1005·6	10·0	6·1	low av. W × S swell
	to 43° 51·5′ S, 65° 03·7′ W		0830										
	to 43° 48·5′ S, 65° 06·5′ W		1010	66									
WS 763	From 44° 14·5′ S, 63° 30′ W	16 x	1815	86 M.S	SW	4–6	SW	3	b	1011·2	9·4	6·7	low long SW swell
	to 44° 13·5′ S, 63° 26′ W		2030	82									
WS 764	From 44° 40′ S, 62° 00′ W	17 x	0605	106 f.gn.S	SW × W	7–10	SW × W	3	b	1010·3	9·4	6·7	mod. short SW × W swell
	to 44° 36·5′ S, 61° 57′ W		0830	110									
	to 44° 41′ S, 61° 52′ W		1015	104									
WS 765	From 45° 06′ S, 60° 30′ W	17 x	1730	113 br.gn. M.S	W	7–10	W	3	b	1015·0	7·8	5·8	mod. av. SW swell
	to 45° 08′ S, 60° 26·5′ W		1950	119									
WS 766	45° 13′ S, 59° 56·5′ W	18–19 x	1800	545 f.d.gy.S	SW × W	17–21	SW × W	4	bcqp	1013·0	5·0	4·2	mod. av. SW × W swell
	44° 58′ S, 60° 05·5′ W		1245	—	S	11–16	S	4	b	1024·9	6·7	4·4	mod. av. to mod. long S swell
WS 767	45° 12′ S, 61° 41′ W	19 x	2215	98	W	4–6	W	2	b	1016·4	7·8	6·1	mod. short SSW swell
WS 768	45° 31′ S, 63° 23′ W	20 x	0932	108 gn.M	NW	7–10	NW × N	2	bc	1020·7	8·3	7·3	mod. short NW swell
WS 769	45° 45′ S, 64° 53′ W	20 x	1845	99 gy.M	NW	1–3	NW	0–1	bc	1010·6	11·1	9·2	low long NW swell
WS 770	46° 03′ S, 66° 34′ W	21 x	0445	95 b.gy. Cy	WNW	7–10	W	3	b	1002·5	10·6	9·4	low long W swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 761	2	0	8·17	33·42	26·04	**N 50 V**	95–0	1810	1812	
		95	6·43	33·69	26·48	**N 70 B**	73–0	1840	**1900**	KT
						N 100 B				
						NR	97(–0)	1840	**1918**	
WS 762	5	0	8·60	33·42	25·97	**N 50 V**	50–0	0630	0632	
		65	8·60	33·44	25·98	**DC**	68	0638	0645	
						OTC	68–66	0720	0830	Haul A
						N 7-T				
						N 4-T				
						NCS-T				
						OTC	68–66	0910	1010	Haul B
						N 7-T				
						NCS-T				
WS 763	5	0	8·44	33·38	25·96	**N 50 V**	75–0	1833	1835	
		80	6·59	33·62	26·41	**DC**	86	**1854**	**1910**	
						OTC	86–82	**1925**	**2030**	
						N 7-T				
						NCS-T				
WS 764	6	0	7·50	33·54	26·22	**N 50 V**	100–0	0630	0632	
		100	6·09	33·64	26·49	**DC**	106	0642	0655	
						OTC	106–110	0720	0830	Haul A
						N 7-T				
						N 4-T				
						NCS-T				
						OTC	110–104	0915	1015	Haul B
						N 7-T				
						N 4-T				
						NCS-T				
WS 765	6	0	6·78	33·70	26·45	**N 50 V**	100–0	1753	1755	
		110	5·52	33·82	26·71	**DC**	113	1800	1815	
						OTC	113–119	1845	**1950**	
						N 7-T				
						N 4-T				
						NCS-T				
WS 766	7	0	6·35	33·78	26·57	**N 50 V**	100–0	1833	1835	
		500	4·32	34·13	27·08	**DC**	545	1845	**1920**	
	8	—	—	—	—	**OTC**	545	**2010**	**2040**	Trawl badly torn, empty
						N 7-T				
						N 4-T				
						NCS-T				
						N 70 B	128–0	1313	1333	KT
						N 100 B				
WS 767	8	0	7·28	33·62	26·32	**N 50 V**	98–0	**2240**	**2242**	
						N 70 B	53–0	**2317**	**2327**	KT
						N 100 B				
						NR	98(–0)	**2317**	**2348**	
WS 768	9	0	7·69	33·31	26·02	**N 50 V**	100–0	0953	0955	
		100	6·35	33·50	26·35	**N 70 B**	51–0	1015	1035	KT
						N 100 B				
						NR	108(–0)	1015	1045	
WS 769	9	0	8·41	33·17	25·80	**N 50 V**	96–0	**1905**	**1907**	
		90	7·22	33·16	25·97	**N 70 B**	58–0	**1925**	**1946**	KT
						N 100 B				
						NR	99(–0)	**1925**	**2000**	
WS 770	10	0	8·90	33·34	25·86	**N 50 V**	90–0	**0450**	**0452**	
		90	7·51	33·32	26·05	**N 70 B**	57–0	0515	0535	KT
						N 100 B				
						NR	95(–0)	0515	0555	Completely full of mud

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 771	From 42° 40′ S, 60° 32′ W	29 x	1615	90 d.gn.S	E	1–6	E	1	ofe	1010·0	11·7	11·1	low av. E swell
	to 42° 43·5′ S, 60° 30′ W		1830	90									
WS 772	From 45° 13′ S, 60° 00′ W	30 x	1500	309 gy.S	NW	1–6	—	0	f	1010·5	8·1	7·2	mod. low long to short NW swell
	to 45° 13·8 S, 60° 00·5′ W		1645	163									
WS 773	From 47° 27′ S, 60° 49′ W	31 x	1225	291 gn.S.M	WNW	11–16	W × N	4	bc	1001·0	9·2	7·5	mod. av. W × N swell
	to 47° 29′ S, 60° 53′ W		1433	298									
WS 774	From 47° 09′ S, 62° 00′ W	1 xi	1625	139 d.gn. S.M	W × S	11–16	WSW	3	bc	996·6	9·8	7·8	mod. short WSW swell
	to 47° 07′ S, 62° 04′ W		1830	144									
WS 775	From 46° 44·5′ S, 63° 30′ W	2 xi	1500	115 G.f. gy.S	W × S	11–16	W	3–4	c	990·6	10·6	7·9	mod. long W swell
	to 46° 45′ S, 63° 36′ W		1720	110									
WS 776	From 46° 19′ S, 65° 00′ W	3 xi	0510	110 gy.M.S	NNE	4–6	NNE	0–1	b	987·9	9·7	7·9	low av. conf. swell
	to 46° 17·5′ S, 65° 04·5′ W		0725	99 gy.M.S									
WS 777	From 45° 56′ S, 66° 24′ W	3 xi	1700	98 b.gy. Cy.M	SW	11–16	SW	4	o	993·3	9·7	6·7	mod. short SW swell
	to 45° 58′ S, 66° 27′ W		1930	99 gn.gy. St									
WS 778	47° 33′ S, 65° 00′ W	4 xi	1145	77	WSW	11–16	S	4	bc	1000·8	10·0	6·1	mod. av. S swell
WS 779	47° 58′ S, 63° 30′ W	4 xi	2000	110	NW	7–10	NW	4	bc	992·2	8·6	6·6	mod. av. SSE swell
WS 780	48° 22′ S, 62° 00′ W	5 xi	0430	148	W × S	17–21	conf.	5	oq	981·9	6·7	5·1	mod. long SW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	Gear	Depth (metres)	TIME From	TIME To	
WS 771	18	0	10·11	33·59	25·86	**N 50 V**	90–0	1623	1625	
		90	6·27	33·78	26·58	**DC**	90	1630	1652	
						OTC				
						N 7-T				
						N 4-T	90–90	1730	1830	
						NCS-T				
WS 772	19	0	7·91	33·76	26·34	**N 50 V**	100–0	1528	1530	
		300	4·59	34·07	27·01	**DC**	309	1534		
						OTC				
						N 7-T				
						N 4-T	309–163	1630	1645	Trawl hitched on bottom but came up intact
						NCS-T				
WS 773	20	0	6·82	33·78	26·51	**N 50 V**	100–0	1246	1248	
		290	4·77	34·07	26·99	**DC**	291	1315	1325	
						OTC				
						N 7-T				
						N 4-T	291–298	1423	1433	
						NCS-T				
WS 774	22	0	8·00	33·72	26·29	**N 50 V**	100–0	1644	1646	
		130	6·23	33·73	26·54	**DC**	139	1651	1710	
						OTC				
						N 7-T				
						N 4-T	139–144	1730	1830	
						NCS-T				
WS 775	22	0	8·00	33·27	25·93	**N 50 V**	100–0	1515	1517	
		110	6·18	33·37	26·26	**DC**	115	1525	1545	
						OTC				
						N 7-T				
						N 4-T	115–110	1620	1720	
						NCS-T				
WS 776	23	0	8·50	33·12	25·74	**N 50 V**	100–0	0535	0537	
		105	7·58	33·18	25·93	**DC**	110	0550	0605	
						OTC				
						N 7-T				
						N 4-T	110–99	0625	0725	
						NCS-T				
WS 777	23	0	9·75	33·34	25·72	**N 50 V**	95–0	1715	1717	
		95	7·53	33·32	26·05	**DC**	98	1721	1740	
						OTC				
						N 7-T				
						N 4-T	98–99	1830	**1930**	1 cwt. fossiliferous stones taken in trawl
						NCS-T				
WS 778	24	0	6·84	33·18	26·03	**N 50 V**	77–0	1150	1152	
		70	6·78	33·20	26·06	**N 70 B**	29–0	1223	1243	KT
						N 100 B				
						NR	77(–0)	1223	1253	
WS 779	24	0	7·18	33·59	26·31	**N 50 V**	100–0	**2010**	**2012**	
		105	6·54	33·60	26·40	**N 70 B**	71–0	**2039**	**2059** / **2108**	KT. **N 100 B** slipped on hauling
						N 100 B				
						NR	110(–0)	**2039**	**2109**	
WS 780	25	0	6·67	33·64	26·41	**N 50 V**	100–0	0430	0432	
		140	5·51	33·69	26·60	**N 70 B**	93–0	0513	0533	KT
						N 100 B				
						NR	148(–0)	0513	0540	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 781	From 50° 29′ S, 58° 52′ W	6 xi	1602	148 d.gn. S.M	W	11–16	W	3	cqrs	994·9	2·8	2·2	mod. short W swell
	to 50° 31′ S, 58° 48′ W		1920										
WS 782	From 50° 30′ S, 58° 19′ W	4 xii	0434	141 gn.S.R	NW	11–21	NW	4	c	1007·4	7·8	6·7	mod. short NNW swell
	to 50° 28·5′ S, 58° 23·5′ W		0825										
	to 50° 27′ S, 58° 31′ W		1127	146	NW	17–21	NW	5	bc	1006·9	8·9	7·8	mod. long NW swell
WS 783	50° 03·5′ S, 60° 08′ W	5 xii	0405	161	SW	4–6	W	1	ce	1011·0	8·9	7·8	low av. W swell
	50° 08′ S, 59° 50′ W		0505	R.St.Sh									
	50° 07·5′ S, 59° 53′ W		0540	161 R.St									
	50° 03·5′ S, 60° 08′ W		0705	157 R.M.S	—	0–3	—	0	b	1013·7	10·0	8·3	low av. to low long N swell
	From 50° 03·5′ S, 60° 08′ W		0735	157									
	to 50° 02′ S, 60° 12′ W		0910										
	to 50° 03·5′ S, 60° 16′ W		1115	165	N	4–6	NW	2	b	1012·2	8·3	7·8	low long NW swell
WS 784	From 49° 48·5′ S, 61° 03′ W	5 xii	1606	170 d.gn. S.R	NNW	7–16	NW	3	bc	1010·6	8·9	7·8	mod. short N × W swell
	to 49° 47′ S, 61° 07′ W		1835	164									
WS 785	From 49° 27′ S, 62° 32′ W	6 xii	0820	113	N	17–21	N	4–5	oc	995·2	10·6	10·0	mod. av. to mod. long N swell
			0910	150 d.gn.S									
	to 49° 26′ S, 62° 36′ W		1110	147									
			1200	—	N	17–21	N	4	oc	993·0	10·6	10·0	mod. av. N swell
	to 49° 24·5′ S, 62° 39′ W		1250	147									
	to 49° 23′ S, 62° 43·5′ W		1430	147									
WS 786	From 49° 07′ S, 63° 55′ W	7 xii	0330	134 d.S.R	SW	4–6	W	2	b	1006·9	8·6	7·2	low long W × S swell
	to 49° 06′ S, 63° 59′ W		0630	119									
WS 787	From 48° 44′ S, 65° 24·5′ W	7 xii	1453	106 c.br. sk.S	N	7–10	N × W	3	bc	1009·5	11·1	8·9	mod. short N × W swell
	to 48° 48′ S, 65° 25′ W		1715	110									

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	Gear	Depth (metres)	TIME From	TIME To	
WS 781	26	0	5·58	33·78	26·67	**N 50 V**	100–0	1623	1626	
		140	4·78	33·88	26·84	**DC**	148	1649	1700	
						OTC				
						N 7-T				
						N 4-T	148	1800	1920	
						NCS-T				
WS 782	24	0	7·32	33·89	26·52	**N 50 V**	100–0	0529	0532	
		135	5·14	33·96	26·86	**DC**	141	0555	0604	
						OTC				
	24	—	—	—	—	**N 7-T**				
						N 4-T	141–146	0725	0825	Haul A
						NCS-T				
						OTC				
						N 7-T	141–146	1020	1120	Haul B
						NCS-T				
WS 783	24	0	8·04	33·86	26·39	**N 50 V**	100–0	0445	0447	Net torn
		155	4·89	33·88	26·83	**DC**	161	0505	0525	Haul I
						DC	161	0540	0603	Haul II
						DC	157	0705	0735	Haul III
	24	—	—	—	—	**OTC**				
						N 7-T				
						N 4-T	157–165	0805	0910	Haul A
						NCS-T				
	25	—	—	—	—	**OTC**				
						N 7-T				
						N 4-T	165–0	1015	1115	Haul B. Trawl hauled obliquely
						NCS-T				
WS 784	25	0	8·05	33·69	26·26	**N 50 V**	100–0	1632	1635	
		165	4·82	33·86	26·81	**DC**	170	1645	1700	
						OTC				
						N 7-T				
						N 4-T	170–164	1735	1835	
						NCS-T				
WS 785	26	0	8·78	33·59	26·08	**N 50 V**	100–0	0910	0912	
		110	5·72	33·60	26·51	**DC**	150	0925	0950	
						OTC				
						N 7-T				
	27	—	—	—	—	**N 4-T**	150–147	1010	1110	Haul A
						NCS-T				
						OTC				
						N 7-T				
						N 4-T	150–147	1150	1250	Haul B
						NCS-T				
						OTC				
						N 7-T				
						N 4-T	150–147	1330	1430	Haul C
						NCS-T				
WS 786	27	0	8·39	33·50	26·06	**N 50 V**	100–0	**0425**	**0427**	
		130	6·34	33·53	26·37	**DC**	134	**0435**	**0455**	
						OTC				
						N 7-T				
						N 4-T	134–119	0520	0630	
						NCS-T				
WS 787	28	0	9·56	33·53	25·90	**N 50 V**	100–0	1508	1510	
		105	7·35	33·55	26·25	**DC**	106	1520	1540	
						OTC				
						N 7-T				
						N 4-T	106–110	1615	1715	
						NCS-T				

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 788	45° 05′ S, 65° 00′ W	13 xii	1520	82 sk.gy. M.S.G	Lt airs	0	—	0	bc	1014·8	19·4	—	low av. W swell
	From 45°06·5′ S, 64°56′W		1755										
	to 45° 07·5′ S, 64° 52′ W		1855	88									
WS 789	From 45° 17′ S, 64° 22′ W	13 xii	2140	95 sk.gy. gn.M	NE	1–10	NNE	2	cr	1005·6	13·9	13·6	low long NNE swell
	to 45° 18·5′ S, 64° 18′ W		2343	93 sk.gy.S.M									
WS 790	From 45° 28·3′ S, 63° 42·3′ W	14 xii	0532	99 gn.gy. S.M	—	0	—	0	bc	1007·4	13·9	12·2	low av. to low long N swell
	to 45° 29·5′ S, 63° 39′ W		0730										
	to 45° 33·5′ S, 63° 23′ W		1240	101	NNW	1–6	—	0	bc	1008·1	15·6	14·4	low av. N swell
WS 791	From 45° 38′ S, 62° 57′ W	14 xii	1446	101	N × W	4–6	N × W	2	c	1005·9	15·6	14·8	low long N swell
			1528	97 gn.S									
	to 45° 39·5′ S, 62° 53′ W		1700	95									
	to 45° 44′ S, 62° 37′ W		2350	101	NW	7–16	NNW	4	c	998·0	15·6	13·3	mod. av. NNW swell
WS 792	From 45° 49′ S, 62° 23′ W	15 xii	0140	102 d.gn. S.R	NW	7–10	NW	3	c	996·7	15·3	13·3	low long NW × N swell
	to 45° 50′ S, 62° 18·5′ W		0350	106									[short W swell
			0430	106	WSW	7–16	NW	2–3	c	997·2	16·1	13·9	low long to mod.
	to 45° 54·5′ S, 62° 04′ W		0850	112 gn.S.M	W × N	7–16	WNW	3	c	996·0	14·7	12·8	low long NW swell
WS 793	45° 58′ S, 61° 42′ W	15 xii	1100	110 d.gn.S	W	7–10	W × S	2	c	996·0	15·8	13·8	mod. short W × S swell
	From 45° 52·3′ S, 61° 37′ W	16 xii	0200	108 R	WSW	11–16	W	3	b	997·9	15·6	12·2	mod. av. W swell
	to 45° 53·8′ S, 61° 33′ W		0350	111									
WS 794	From 46° 11·8′ S, 61° 01′ W	17 xii	0732	123	W	17–21	W	4–5	b	1003·0	13·3	8·9	mod. av. to mod. long W swell
	to 46° 13·5′ S, 60° 57·5′ W		0950	126									
WS 795	From 46° 14′ S, 60° 24′ W	18 xii	0905	157 S.R	SSW	11–16	S	4	b	1017·5	10·3	8·3	mod. av. S swell
	to 46° 16′ S, 60° 21′ W		1211	161									
WS 796	From 47° 50·3′ S, 63° 40·5′ W	19 xii	1035	106 c.br.sk.S	SSW	11–21	SSW	3	bc	1003·4	10·6	8·9	mod. av. SSW swell
	to 47° 49′ S, 63° 44·5′ W		1300	113									
	From 47° 51′ S, 63° 43′ W	21 xii	0345	108	S	1–3	—	0	bc	1014·0	8·9	6·4	mod. short S swell
	to 47° 56′ S, 63° 22′ W		0750	112									

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 788	3	0	13·45	33·33	25·03	**N 50 V**	80–0	1538	1540	
		80	9·70	33·33	25·72	**DC**	82	1543	1555	
						OTC				
						N 7-T	82–88	1755	1855	
						N 4-T				
						NCS-T				
WS 789	3	0	13·78	33·29	24·93	**N 50 V**	90–0	**2159**	**2201**	
		90	7·12	33·35	26·13	**OTC**				
						N 7-T	95–93	**2227**	**2343**	
						N 4-T				
						NCS-T				
WS 790	3	0	13·11	33·24	25·03	**N 50 V**	100–0	0544	0546	
		95	7·14	33·48	26·22	**DC**	99	0550	0605	
						OTC				
	4	—	—	—	—	**N 7-T**	99–101	0625	0730	Haul A
						N 4-T				
						NCS-T				
						OTC	99–101	0835	1240	Haul B
						N-T				
WS 791	4	0	13·62	33·38	25·03	**N 50 V**	95–0	1517	1520	
		95	6·52	33·53	26·35	**DC**	97	1528	1540	
						OTC				
	5	—	—	—	—	**N 7-T**	97–95	1600	1700	Haul A
						N 4-T				
						NCS-T				
						OTC	95–101	1950	**2350**	Haul B
						N-T				
WS 792	6	0	13·10	33·35	25·12	**N 50 V**	100–0	**0207**	**0209**	
		100	6·43	33·56	26·39	**DC**	102	**0215**	**0230**	
						OTC				
	6	—	—	—	—	**N 7-T**	102–106	**0250**	**0350**	Haul A
						N 4-T				
	6	—	—	—	—	**NCS-T**				
						OTC				
						N 7-T	106–112	**0450**	0850	Haul B
						N 4-T				
						NCS-T				
WS 793	6	0	13·15	33·51	25·23	**N 50 V**	100–0	1119	1121	
		100	6·52	33·69	26·47	**DC**	110	1125	1140	
	7	—	—	—	—	**OTC**				
						N 7-T	108–111	**0250**	**0350**	
						N 4-T				
						NCS-T				
WS 794	8	0	11·20	33·69	25·74	**N 50 V**	100–0	0756	0758	
		123	6·07	33·74	26·57	**OTC**				
						N 7-T	123–126	0850	0950	
						NCS-T				
WS 795	9	0	9·28	33·90	26·23	**N 50 V**	100–0	0935	0938	
		150	4·83	34·03	26·95	**DC**	157	1020	1050	
						OTC				
						N 7-T	157–161	1111	1211	
						N 4-T				
						NCS-T				
WS 796	10	0	14·41	33·63	25·07	**N 50 V**	100–0	1055	1058	Position re-visited on 21 xii when Haul B was taken
		100	7·33	33·64	26·32	**DC**	106	1110	1130	
						OTC				
	12	—	—	—	—	**N 7-T**	106–113	1200	1300	Haul A
						N 4-T				
						NCS-T				

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1931											
WS 796 *cont.*	From 47° 51′ S, 63° 43′ W to 47° 56′ S, 63° 22′ W	21 xii											
WS 797	47° 45·3′ S, 64° 10·5′ W	19 xii	1705	117 St	SW	17–21	S × W	5	b	1006·2	11·7	8·3	mod. long SSW swell
	From 47° 44′ S, 64° 22′ W	20 xii	1635	115	SSW	11–21	SSW	4	bc	1013·2	12·2	8·3	mod. long SSW swell
	to 47° 45·2′ S, 64° 18′ W		1812	111									
	to 47° 50·3′ S, 63° 57′ W		2355	113	S	4–6	S	2	b	1014·2	8·3	7·2	mod. av. S swell
WS 798	From 47° 31·5′ S, 65° 02′ W	20 xii	1040	49 P.Sh.S	SW	7–16	SW	3	b	1012·2	10·0	7·6	mod. av. SW swell
	to 47° 32·5′ S, 64° 58′ W		1242	66									
WS 799	From 48° 03·5′ S, 62° 50·3′ W	21 xii	1100	141 d.gn.S	S	1–3	S	1	b	1012·2	10·3	6·9	low long S swell
	to 48° 05′ S, 62° 46′ W		1307	137									
	to 48° 10′ S, 62° 31′ W		1745	139	NW	4–10	S	2	b	1010·6	10·0	6·7	low av. SSE swell
WS 800	From 48° 15′ S, 62° 11·8′ W	21–22 xii	2015	139 d.S.Sh	NW	7–10	NW	3	bc	1008·9	10·0	7·8	mod. short W swell
	to 48° 16·5′ S, 62° 08′ W		2210	137									
			2400	—	NW	11–16	NW	2	c	1008·0	10·0	7·8	mod. short NW swell
	to 48° 21·5′ S, 61° 48′ W		0250	139									
WS 801	From 48° 25·5′ S, 61° 30′ W	22 xii	0455	165 d.S	NW	7–16	NW	3	c	1004·6	10·0	8·9	mod. short NW swell
	to 48° 27′ S, 61° 26′ W		0655	165									
		1932											
WS 802	50° 46′ S, 61° 20′ W	3 i	1408	137 gn.S.Sh	SW × W	17–27	SW	4	bcq	1003·0	10·0	7·8	mod. av. SW swell
	From 50° 47′ S, 61° 20′ W	5 i	1250	128	NNW	7–10	NNW	3	bc	1010·4	11·1	10·0	mod. short NNW swell
	to 50° 44·5′ S, 61° 24′ W		1447	132									
	to 50° 43′ S, 61° 28′ W		1630	139									
WS 803	From 50° 34·5′ S, 62° 03·5′ W	5 i	2050	174 St.c.d.S	NNW	7–10	NNW	1	bc	1004·1	12·8	11·4	mod. short NNW swell
	to 50° 33′ S, 62° 07·5′ W		2345	187									

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	Gear	Depth (metres)	TIME From	TIME To	
WS 796 *cont.*	12					**OTC, N 7-T, N 4-T, NCS-T**	108–112	**0350**	0750	Haul B
WS 797	10	0	10·37	33·52	25·76	**N 50 V**	100–0	1715	1717	Position re-visited on 20 xii when Hauls B and C were taken
		110	7·57	33·53	26·20	**DC**	117	1720	1735	
	11	—	—	—	—	**NCS-T**	117	1800	1812	Haul A
	11	—	—	—	—	**OTC, N 7-T, N 4-T, NCS-T**	115–111	1712	1812	Haul B
						OTC, N 7-T, N 4-T, NCS-T	111–113	2000	**2355**	Haul C
WS 798	11	0	9·05	33·23	25·76	**N 50 V**	49–0	1056	1058	
		48	8·89	33·23	25·78	**DC**	49	1105	1115	
						OTC, N 7-T, N 4-T, NCS-T	49–66	1142	1242	
WS 799	12	0	10·97	33·63	25·74	**N 50 V**	100–0	1118	1120	
		135	6·74	33·69	26·44	**DC**	141	1125	1145	
	12	—	—	—	—	**OTC, N 7-T, N 4-T, NCS-T**	141–137	1207	1307	Haul A
						OTC, N 7-T, N 4-T, NCS-T	137–139	1345	1745	Haul B
						NH	0	1700		
WS 800	13	0	9·90	33·68	25·96	**N 50 V**	100–0	2030	2032	
		135	5·80	33·68	26·55	**DC**	139	2030	2055	
	13	—	—	—	—	**OTC, N 7-T, N 4-T, NCS-T**	139–137	2110	**2210**	Haul A
						OTC, N 7-T, N 4-T, NCS-T	137–139	**2250**	**0250**	Haul B
WS 801	13	0	9·33	33·69	26·06	**N 50 V**	100–0	**0514**	**0517**	
		160	5·14	33·80	26·73	**DC**	165	0527		
						OTC, N 4-T, NCS-T	165–165	0555	0655	
WS 802	25	0	7·83	33·76	26·35	**N 50 V**	100–0	1443	1445	Position re-visited on 5 i 32 when hauls A and B were taken
		130	5·97	33·80	26·63	**DC**	137	1530	1550	
	27	—	—	—	—	**OTC, N 4-T, NCS-T**	128–132	1335	1447	Haul A
						OTC, N 7-T, N 4-T, NCS-T	132–139	1530	1630	Haul B
WS 803	27	0	10·09	33·63	25·90	**N 50 V**	100–0	**2057**	**2059**	
		170	5·26	33·80	26·72	**DC**	174	**2115**	**2140**	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 803 *cont.*	From 50° 34·5′ S, 62° 03·5′ W	5 i											
	to 50° 33′ S, 62° 07·5′ W												
WS 804	From 50° 23·5′ S, 62° 47′ W	6 i	0416	150 G.St.S	N × W	4–10	NNW	2	bc	992·0	11·7	10·6	low long to mod. short NNW swell
	to 50° 22′ S, 62° 51′ W		0647	143									
			0800	—	WNW	7–10	WNW	3	bc	992·7	13·9	10·6	low long WNW swell
	to 50° 20·5′ S, 62° 55′ W		0845	150									
WS 805	From 50° 11′ S, 63° 27′ W	6 i	1530	150 c.d. sk.S	WSW	11–16	SW × W	4	bc	1001·4	11·9	9·3	mod. av. SW × W swell
	to 50° 09·5′ S, 63° 31′ W		1745	148									
WS 806	From 50° 04′ S, 64° 19′ W	7 i	0500	130 d.gn. sk.S.Sh	NW	4–10	WNW	2–3	b	1012·2	10·0	8·3	mod. av. W swell
	to 50° 03′ S, 64° 23′ W		0715	123									
WS 807	From 49° 51′ S, 65° 01′ W	7 i	1146	124 d.S	N	11–16	N × W	3	c	1006·7	12·2	9·2	mod. short N × W swell
	to 49° 50′ S, 65° 05′ W		1340	126									
WS 808	From 49° 41′ S, 65° 40′ W	8 i	0450	110 br.gn.S	NW	11–21	NW	3–4	o	988·6	13·3	10·0	mod. av. WNW swell
	to 49° 39·5′ S, 65° 44′ W		0735	106									
WS 809	From 49° 29′ S, 66° 27′ W	8 i	1330	108 br.sk.S	SW	7–10	SW	3	bc	997·1	13·2	10·6	mod. short SW swell
	to 49° 27·5′ S, 66° 31′ W		1555	104									
	to 49° 32·5′ S, 66° 51·5′ W		2035	101	SW	11–16	SW	4	b	1000·2	13·3	10·0	mod. av. SW swell
WS 810	From 49° 15′ S, 67° 08′ W	9 i	0015	95 b.gy. S.M	SW	11–16	SW	4	b	1005·9	12·1	10·6	mod. av. SSW swell
	to 49° 19′ S, 67° 08′ W		0255	97									
WS 811	From 51° 27′ S, 68° 03′ W	10 i	0540	99 S.St	Lt airs	0–3	—	0–1	bc	1009·2	10·0	8·3	low long to mod. short SE swell
	to 51° 28·5′ S, 68° 00′ W		0801	99									
	From 51° 22′ S, 68° 03′ W	12 i	1935	97	WSW	11–16	W × S	3–4	bc	998·0	13·3	8·9	mod. short W swell
	to 51° 27′ S, 67° 43′ W		0000	99									

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 803 *cont.*	27					**OTC** **N 7-T** **NCS-T**	174–187	**2245**	**2345**	
WS 804	28	0	10·11	33·51	25·80	**N 50 V**	100–0	**0445**	**0447**	
		147	5·70	33·52	26·45	**DC**	150	**0450**	0513	
	28	—	—	—	—	**OTC** **N 7-T** **NCS-T**	150–143	0547	0647	Haul A
						OTC **N 7-T** **N 4-T** **NCS-T**	143–150	0745	0845	Haul B
WS 805	28	0	10·69	33·38	25·59	**N 50 V**	100–0	1556	1558	
		145	5·73	33·43	26·38	**DC**	150	1605	1630	
						OTC **N 7-T** **N 4-T** **NCS-T**	150–148	1645	1745	
WS 806	29	0	11·01	33·23	25·43	**N 50 V**	100–0	0520	0522	
		125	6·25	33·23	26·16	**DC**	130	0530	0545	
						OTC **N 7-T** **N 4-T** **NCS-T**	130–123	0615	0715	
WS 807	0	0	11·11	33·29	25·45	**N 50 V**	100–0	1201	1203	
		120	6·38	33·30	26·18	**DC**	124	1208	1223	
						OTC **N 7-T** **N 4-T** **NCS-T**	124–126	1240	1340	Catch lost but similar to **NCS-T** at **WS 806**
WS 808	0	0	11·21	33·31	25·45	**N 50 V**	100–0	**0511**	**0513**	
		109	7·16	33·36	26·13	**DC**	110	0530	0600	
						OTC **N 7-T** **N 4-T** **NCS-T**	110–106	0630	0735	Net badly torn
WS 809	1	0	11·29	33·40	25·50	**N 50 V**	100–0	1344	1346	
		100	7·54	33·41	26·12	**DC**	108	1350	1410	
	1	—	—	—	—	**OTC** **N 7-T** **N 4-T** **NCS-T**	108–104	1450	1555	Haul A
						OTC	104–101	1635	**2035**	Haul B
WS 810	1	0	10·12	33·02	25·41	**N 50 V**	90–0	**0051**	**0053**	
		90	8·07	33·14	25·83	**DC**	95	**0115**	**0135**	
						OTC **N 7-T** **NCS-T**	95–97	**0200**	**0255**	
WS 811	2	0	9·12	32·85	25·44	**N 50 V**	90–0	0613	0615	Position re-visited on 12 i 32 when Haul B was taken
		90	6·26	32·88	25·87	**DC**	99	0620	0635	
	5	—	—	—	—	**OTC** **N 7-T** **N 4-T** **NCS-T**	99–99	0701	0801	Haul A
						OTC **N 7-T** **N 4-T** **NCS-T**	97–99	2000	**0000**	Haul B

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 812	From 51° 15·5′ S, 68° 54′ W	10 i	1218	53 gy.S.M	NNW	7–10	N	1	c	1063·6	11·9	9·4	mod. short N swell
	to 51° 17′ S, 68° 50′ W		1420	55 gy.S.M									
	From 51° 17′ S, 68° 50′ W	12 i	1150	44	WSW	11–16	W	1	bc	993·6	14·3	8·9	mod. short W swell
	to 51° 22·5′ S, 68° 30′ W		1715	84									
WS 813	From 51° 34·5′ S, 67° 18·5′ W	13 i	0230	106 d.sk.S	WSW	7–10	W × S	2	b	1000·5	10·6	7·8	mod. short W swell
	to 51° 36′ S, 67° 14′ W		0500	102									
WS 814	From 51° 44·5′ S, 66° 38′ W	13 i	1230	112 c.d. sk.S	SW × W	11–16	SW	3	bc	999·5	11·1	8·8	mod. av. WSW swell
	to 51° 46′ S, 66° 42′ W		1450	119									
WS 815	From 51° 51′ S, 65° 46′ W	13 i	1915	132 c.d. sk.S	W × N	17–21	W	4	o	997·9	11·1	9·4	mod. short to mod. av. W swell
	to 51° 52·5′ S, 65° 42′ W		2145	163									
WS 816	From 52° 09·5′ S, 64° 58′ W	14 i	1040	150 Sn	W	7–10	W × S	3	c	995·6	10·2	7·5	mod. av. W swell
	to 52° 10′ S, 64° 54′ W		1300	150									
WS 817	From 52° 21′ S, 64° 17′ W	14 i	1651	192 d.S	W × N	7–16	W	3	bc	992·3	10·8	8·9	mod. short W swell
	to 52° 25′ S, 64° 21′ W		1905	203									
	to 52° 30·5′ S, 63° 57′ W		2345	238	N	17–21	N	4	cp	977·4	10·6	8·9	mod. av. N swell
WS 818	From 52° 30·5′ S, 63° 27′ W	17 i	0400	272 d.sk.S	WSW	4–10	WSW	2	cd	1005·2	8·6	7·2	mod. short W × S swell
	to 52° 32′ S, 63° 23′ W		0640	278									
	to 52° 37′ S, 63° 02′ W		1140	285	NW	4–6	NW	2	od	1003·8	8·9	7·8	low long NW swell
WS 819	From 52° 41·3′ S, 62° 41′ W	17 i	1438	313 d.sk.S	NW	4–6	NW	1	od	1002·7	8·9	8·6	low long NW swell
	to 52° 42·5′ S, 62° 38′ W		1745	329									
	to 52° 47·5′ S, 62° 17′ W		2235	342	NW	7–10	WSW	3–4	or	998·7	8·9	8·3	mod. short to mod. av. WSW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S°/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 812	3	0	9·35	32·55	25·16	**N 50 V**	45–0	1226	1227	Position re-visited on 12 i 32 when Haul B was taken
		45	8·81	32·57	25·27	**DC**	53	1235	1250	
						OTC				
						N 7-T	53–55	1320	1420	Haul A
	5	—	—	—	—	**N 4-T**				
						N 100 B	18–0	1221	1241	KT
						OTC				
						N 7-T				
						N 4-T	44–84	1315	1715	Haul B. Net possibly not on bottom throughout duration of haul
						NCS-T				
WS 813	5	0	9·22	33·11	25·62	**N 50 V**	100–0	**0255**	**0257**	
		100	6·74	33·12	25·99	**DC**	106	**0305**	**0330**	
						OTC				
						N 7-T				
						N 4-T	106–102	**0400**	**0500**	
						NCS-T				
WS 814	6	0	8·99	33·22	25·76	**N 50 V**	100–0	1254	1256	
		105	7·25	33·32	26·09	**DC**	112	1305	1315	
						OTC				
						N 7-T				
						N 4-T	112–119	1350	1450	
						NCS-T				
WS 815	6	0	9·14	33·48	25·93	**N 50 V**	100–0	1954	1956	
		130	6·68	33·65	26·42	**OTC**				
						N 7-T				
						N 4-T	132–163	2045	**2145**	
						NCS-T				
WS 816	6	0	8·59	33·65	26·15	**N 50 V**	100–0	1105	1107	
		150	6·81	33·74	26·47	**DC**	150	1115	1135	Hole in canvas bag
						OTC				
						N 7-T	150–150	1200	1300	
						N 4-T				
WS 817	7	0	8·72	33·65	26·13	**N 50 V**	100–0	1711	1713	
		180	6·38	33·86	26·62	**DC**	192	1719	1730	
						OTC				
	7	—	—	—	—	**N 7-T**				
						N 4-T	192–203	1805	1905	Haul A
						NCS-T				
						OTC				
						N 7-T	203–238	1945	**2345**	Haul B
						N 4-T				
WS 818	9	0	7·46	33·70	26·35	**N 50 V**	100–0	**0435**	**0437**	
		270	4·91	34·14	27·03	**DC**	272	**0445**	**0513**	
						OTC				
	9	—	—	—	—	**N 7-T**				
						N 4-T	272–278	0540	0640	Haul A
						NCS-T				
						OTC				
						N 7-T				
						N 4-T	278–285	0740	1140	Haul B
						NCS-T				Catch discarded
WS 819	10	0	7·51	33·88	26·49	**N 50 V**	100–0	1506	1508	
		310	4·61	34·14	27·07	**DC**	313	1540	1615	
						OTC				
	10	—	—	—	—	**N 7-T**				
						N 4-T	313–329	1645	1745	Haul A
						NCS-T				

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 819 *cont.*	From 52° 41·3′ S, 62° 41′ W to 52° 42·5′ S, 62° 38′ W to 52° 47·5′ S, 62° 17′ W	17 i											
WS 820	From 52° 52·5′ S, 61° 53·5′ W	18 i	0100	351 f.d.S.M	NW	7–10	NW	2	od	995·6	8·3	8·1	mod. short N swell
	to 52° 54′ S, 61° 49·5′ W		0450	368									
WS 821	From 52° 55′ S, 60° 57′ W	18 i	0900	461 f.gn.gy. S.M	WNW	7–10	NW	2	bc	993·0	10·0	9·2	low long NW swell
	to 52° 56·5′ S, 60° 53′ W		1140	468									
WS 822	53° 11′ S, 60° 12′ W	18 i	1753	662 gn.S.M	WNW	7–16	WNW	3–4	bc	993·1	10·6	8·9	mod. short NW swell
WS 823	From 52° 12·5′ S, 60° 02′ W	19 i	0511	80 gn.gy. f.S	S	7–10	S	2	or	996·0	6·7	5·6	low long SE swell
	to 52° 16·5′ S, 60° 00′ W		0730	95									
WS 824	From 52° 31′ S, 58° 29′ W	19 i	1900	146 gn.sk. S.Sh	W	17–21	WSW	4–5	bc	1004·5	9·4	7·8	mod. av. WSW swell
	to 52° 27·5′ S, 58° 25·5′ W		2105	137									
WS 825	From 50° 50′ S, 57° 13′ W	28–29 i	2145	135 gn.S.M. Sh	NW	11–21	NW	4	c	978·5	10·0	8·3	mod. av. NW swell
	to 50° 50′ S, 57° 17·5′ W		0135	144									
WS 826	50° 50′ S, 58° 31·5′ W	29 i	0915	150	WNW	11–16	WNW	3	c	980·4	8·9	7·7	mod. av. WNW swell
WS 827	50° 51′ S, 60° 06′ W	30 i	1025	137 St	SE × E	1–6	ESE	1	c	997·8	7·2	4·0	low long ESE swell
WS 828	50° 51′ S, 61° 42′ W	30 i	1855	155	WNW	4–6	WNW	2	cp	998·3	8·1	5·6	low long to mod. short NW swell
WS 829	50° 51′ S, 63° 13·5′ W	31 i	0244	155	W × S	4–21	W × S	2	bcq	996·2	7·2	5·0	mod. short W swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 819 *cont.*	10					**OTC, N 7-T, N 4-T, NCS-T**	329–342	1835	**2235**	Haul B
WS 820	10	0	7·64	33·96	26·53	**N 50 V**	100–0	**0132**	**0135**	
		350	4·27	34·13	27·08	**DC**	351	**0245**		
						OTC, N 7-T, N 4-T	351–368	**0345**	**0450**	
WS 821	10	0	7·92	33·90	26·44	**N 50 V**	100–0	0925	0927	
		450	4·11	34·17	27·14	**DC**	461	1015	1045	
						OTC, N 7-T, N 4-T, NCS-T	461–468	1120	1140	Trawl came up foul
						LB	0	1245		
WS 822	11	0	7·40	34·00	26·60	**N 50 V**	100–0	1830	1832	
		660	4·01	34·18	27·16					
WS 823	11	0	9·10	33·68	26·09	**N 50 V**	75–0	0543	0545	
		75	8·41	33·74	26·24	**DC**	80	0550	0605	
						OTC, N 7-T, N 4-T, NCS-T	80–95	0630	0730	Net torn
WS 824	11	0	8·30	33·81	26·32	**N 50 V**	100–0	1927	1929	
		140	5·45	33·87	26·75	**DC**	146	1935	1945	
						OTC, N 7-T, N 4-T, NCS-T	146–137	2000	**2105**	
WS 825	21	0	8·12	33·78	26·32	**N 50 V**	100–0	**2202**	**2204**	
		130	5·61	33·91	26·76	**DC**	135	**2220**	**2235**	
						OTC, N 7-T, N 4-T, NCS-T	135–144	**0035**	**0135**	
						N 70 B, N 100 B	68–0	**0254**	**0314**	KT
						NR	144(–0)	**0254**	**0324**	
WS 826	21	0	9·01	33·78	26·19	**N 50 V**	100–0	0941	0943	
		145	5·54	33·92	26·78	**N 70 B, N 100 B**	98–0	1021	1041	KT
						NR	150(–0)	1021	1051	
WS 827	22	0	9·34	33·87	26·20	**N 50 V**	100–0	1050	1052	
		130	5·67	33·74	26·62	**N 70 B, N 100 B**	87–0	1131	1151	KT
						NR	137(–0)	1131	1201	
WS 828	23	0	8·83	33·78	26·22	**N 50 V**	100–0	1905	1907	
		150	5·21	33·97	26·86	**N 70 B, N 100 B**	128–0	1942	2002	KT
						NR	155(–0)	1942	2012	
WS 829	23	0	9·22	33·68	26·07	**N 50 V**	100–0	**0256**	**0258**	
		150	5·82	33·77	26·62	**N 70 B, N 100 B**	120–0	**0339**	**0359**	Depth estimated
						NR	155(–0)	**0339**	**0424**	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 830	50° 50′ S, 64° 43′ W	31 i	1135	143	W × S	11–16	WSW	3	c	1001·5	9·7	7·8	mod. av. WSW swell
WS 831	50° 50·5′ S, 66° 10·5′ W	31 i	1944	119	SW	7–10	SW	2	bc	1006·1	8·3	5·6	mod. short SW × S swell
WS 832	50° 49′ S, 67° 55′ W	1 ii	0336	95	WSW	7–10	SW	2	c	1005·6	8·9	5·6	low long SW swell
WS 833	From 52° 28′ S, 68° 00′ W	1 ii	1610	38 b.gy. M.f.S	SW × W	4–6	SW	2	bc	1000·8	11·4	7·8	low long SW swell
	to 52° 32′ S, 68° 00′ W		1900	31									
WS 834	From 52° 57′ S, 68° 07′ W	2 ii	0520	27 d.b.gy. Sn.St. M.S	W × N	11–16	W	3	c	996·0	7·8	5·0	low long W × S swell
	to 52° 58·5′ S, 68° 09·5′ W		0725	38									
WS 835	53° 05·5′ S, 68° 06·5′ W	2 ii	1000	15 St	W	17–21	W	3	c	993·9	—	—	mod. av. W swell
			1150	16									
WS 836	53° 05·5′ S, 67° 38′ W	3 ii	0910	64	NW × W	7–10	NW × W	2–3	bc	992·2	10·6	8·9	mod. short NW × W swell
WS 837	From 52° 48·5′ S, 66° 30′ W	3 ii	1512	102 c.d.gn. S.P	NW	7–10	NNW	2	bc	990·8	13·3	10·0	mod. short NNW swell
	to 52° 50′ S, 66° 26′ W		1725	102									
WS 838	From 53° 11′ S, 65° 02′ W	5 ii	1042	149 c.d.sk. S.P	W × S	11–16	W	4	c	999·1	10·0	7·8	mod. av. W swell
	to 53° 12·5′ S, 64° 58′ W		1307	159									
WS 839	From 53° 29·5′ S, 63° 31′ W	5 ii	1940	503 f.S.M	N × W	4–6	N × W	2–3	or	988·2	8·3	7·2	mod. short NW swell
	to 53° 31′ S, 63° 27′ W		2307	534									
WS 840	From 53° 51·5′ S, 61° 51·5′ W	6 ii	0840	368 gn.gy.S	SW	4–10	WSW	2–3	b	990·0	8·3	7·5	mod. short W × S swell
	to 53° 52·5′ S, 61° 47′ W		1115	463									
WS 841	From 54° 11′ S, 60° 23′ W	6 ii	1810	110 Sn.Sh	NW	4–6	NW	2	bc	993·4	8·9	7·2	mod. short WNW swell
	to 54° 12·5′ S, 60° 20′ W		2040	121									

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S ‰	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 830	24	0	9·33	33·49	25·90	**N 50 V**	100–0	1147	1149	
		140	6·38	33·42	26·28	**N 70 B**	84–0	1222	1242	KT
						N 100 B				
						NR	143(–0)	1222	1252	
WS 831	24	0	9·71	33·24	25·65	**N 50 V**	100–0	1955	1957	
		110	6·85	33·25	26·07	**N 70 B**	83–0	2025	2045	KT
						N 100 B				
						NR	119(–0)	2025	**2100**	
WS 832	24	0	9·93	—	—	**N 50 V**	90–0	**0415**	**0417**	
		90	7·21	32·89	25·76	**N 70 B**	75–0	**0505**	**0525**	Depth estimated
						N 100 B				
						NR	95(–0)	**0505**	**0539**	
WS 833	25	0	9·54	32·89	25·41	**N 50 V**	35–0	1625	1626	
		35	9·21	32·89	25·46	**DC**	38	1700		
						OTC				
						N 7-T	38–31	1800	1900	
						N 4-T				
						NCS-T				
WS 834	25	0	9·61	32·79	25·32	**N 50 V**	25–0	**0530**	**0531**	
						DC	27	**0540**	**0550**	
						OTC				
						N 7-T	27–38	0625	0725	
						N 4-T				
						NCS-T				
WS 835	25	—	—	—	—	**DC**	15	1005	1015	Depth by hand lead
						BTS	15–16	1120	1150	
WS 836	26	0	9·71	32·88	25·37	**N 50 V**	50–0	0930	0931	
		60	9·68	32·84	25·34	**BTS**	64	0950	1020	
WS 837	27	0	9·13	33·08	25·61	**N 50 V**	95–0	1520	1522	
		95	8·41	33·19	25·81	**DC**	102	1528	1545	
						OTC				
						N 7-T	102–102	1625	1725	
						N 4-T				
						NCS-T				
WS 838	29	0	7·86	33·64	26·25	**N 50 V**	100–0	1048	1050	
		140	7·60	33·75	26·37	**DC**	149	1107	1120	
						OTC				
						N 7-T	149–159	1207	1307	
						N 4-T				
						NCS-T				
WS 839	29	0	6·55	34·07	26·77	**N 50 V**	100–0	1950	1952	
		400	4·28	34·20	27·14	**DC**	503	2045	**2115**	
						OTC				
						N 7-T	503–534	**2207**	**2307**	
						N 4-T				
						NCS-T				
WS 840	29	0	6·87	34·09	26·74	**N 50 V**	100–0	0905	0907	
		360	4·35	34·18	27·12	**DC**	368	0915	0945	
						OTC				
						N 7-T	368–463	1015	1115	
						N 4-T				
						NCS-T				
WS 841	0	0	7·10	34·07	26·70	**N 50 V**	100–0	1817	1819	
		100	6·81	34·07	26·74	**DC**	110	1840	1855	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 841 *cont.*	From 54° 11′ S, 60° 23′ W to 54° 12·5′ S, 60° 20′ W	6 ii											
WS 842	53° 34′ S, 61° 36′ W	7 ii	0510	688 gn.S.M	NW	11–16	NW	3–4	bc	994·0	8·9	7·8	mod. short to mod. av. NW × W swell
WS 843	52° 53′ S, 62° 54′ W	7 ii	1418	338	NW	11–16	NW	2	orm	988·6	11·1	10·0	mod. short NW swell
WS 844	52° 14′ S, 64° 10′ W	7–8 ii	2220	218	W	11–16	W × S	2	bc	992·1	10·6	8·9	mod. short W × S swell
WS 845	51° 30′ S, 65° 25′ W	8 ii	1135	141	W × N	11–16	WNW	3	c	994·1	11·1	8·9	mod. short W × N swell
WS 846	50° 56′ S, 66° 40′ W	8 ii	2101	110	WNW	7–10	WNW	2	bc	986·5	11·6	10·0	low long WNW swell
WS 847	From 50° 15′ S, 67° 59′ W	9 ii	0646	51	SW × W	17–27	SW	4	bc	992·5	11·1	10·0	mod. av. WSW swell
	to 50° 16·5′ S, 67° 55′ W		0915	57									
			1200	—	SW	17–21	WSW	4	bc	996·0	10·6	7·8	mod. av. SW × W swell
	to 50° 21′ S, 67° 33′ W		1420	84									
WS 848	From 50° 37′ S, 66° 26′ W	10 ii	1115	115 d.gn.S	W × N	7–10	W	2	bc	1003·8	11·1	8·2	mod. short W × N swell
	to 50° 38′ S, 66° 22′ W		1325	117									
WS 849	From 50° 56·5′ S, 65° 00′ W	10 ii	1929	137 d.S	W × N	4–10	W × N	2	bc	1002·8	11·7	8·9	mod. short W swell
	to 50° 57′ S, 64° 56′ W		2145	137									
WS 850	From 51° 18′ S, 63° 31·5′ W	11 ii	0602	157 d.gn. S.St	W × N	7–10	W × N	2	bc	1005·3	10·6	8·9	mod. short W swell
	to 51° 19·5′ S, 63° 29′ W		0838	166									
WS 851	From 51° 39′ S, 62° 02·5′ W	11 ii	1504	221 St	WSW	7–10	WSW	3	b	1009·9	9·7	8·9	low long WSW swell
	to 51° 41′ S, 62° 00′ W		1715	198									

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 841 *cont.*	0					**OTC** **N 7-T** **N 4-T** **NCS-T**	110–121	1930	2040	Foot rope parted during tow
						N 70 B **N 100 B**	91–0	**2125**	**2145**	Depth estimated
WS 842	1	0	7·05	34·08	26·71	**N 50 V**	100–0	**0519**	**0521**	
		600	4·07	34·18	27·15	**N 70 B** **N 100 B**	100–0	0612	0632	Depth estimated
WS 843	1	0	8·31	33·70	26·28	**N 50 V**	100–0	1425	1427	
		300	5·20	34·14	27·00	**N 70 B** **N 100 B**	102–0	1503	1523	KT
						NR	338(–0)	1503	1533	
WS 844	1	0	8·49	33·69	26·19	**N 50 V**	100–0	**2228**	**2230**	
		200	6·50	33·96	26·69	**N 70 B** **N 100 B**	91–0	**2319**	**0030**	KT
						NR	218(–0)	**2319**	**0125**	Haul irregular
WS 845	2	0	9·11	33·61	26·04	**N 50 V**	100–0	1158	1200	
		140	7·21	33·75	26·43	**N 70 B** **N 100 B**	100–0	1240	1302	KT
						NR	141(–0)	1240	1310	
WS 846	2	0	10·04	33·18	25·55	**N 50 V**	100–0	**2107**	**2109**	
		100	6·84	33·18	26·03	**N 70 B** **N 100 B**	98–0	**2136**	**2156**	KT
						NR	110(–0)	**2136**	**2215**	Net did not fish properly
WS 847	3	0	10·86	32·78	25·10	**N 50 V**	45–0	0728	0729	
		45	10·89	32·81	25·11	**DC**	51	0740	—	Temperature repeated
	3	—	—	—	—	**OTC** **N 7-T** **N 4-T** **NCS-T**	51–57	0815	0915	Haul A
						OTC **N 7-T** **N 4-T** **NCS-T**	57–84	1020	1420	Haul B. Net torn
WS 848	4	0	10·41	33·23	25·53	**N 50 V**	110–0	1130	1132	
		110	7·12	33·27	26·06	**DC**	115	1147	1200	
						OTC **N 7-T** **N 4-T** **NCS-T**	115–117	1225	1325	Trawl torn
WS 849	4	0	9·25	33·40	25·85	**N 50 V**	100–0	1935	1937	
		130	6·76	33·40	26·22	**DC**	137	2010	2025	
						OTC **N 7-T** **N 4-T** **NCS-T**	137–137	2045	**2145**	
WS 850	5	0	8·89	33·65	26·10	**N 50 V**	100–0	0623	0625	
		150	6·40	33·78	26·57	**DC**	157	0650	0710	
						OTC **N 7-T** **N 4-T** **NCS-T**	157–166	0730	0838	
WS 851	5	0	8·81	33·75	26·19	**N 50 V**	115–0	1509	1511	
		200	5·38	34·05	26·90	**DC**	221	1530	1550	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 851 *cont.*	From 51° 39′ S, 62° 02·5′ W to 51° 41′ S, 62° 00′ W	11 ii											
WS 852	44° 12·5′ S, 64° 13′ W	21 iii	0600 0812	84 88	N × W	4–6	N	2	bc	1004·7	17·2	14·4	low long to mod. short N × W swell
WS 853	From 44° 38′ S, 64° 15′ W to 44° 41·5′ S, 64° 12′ W	21 iii	1122 1320	90 90	N × W	1–3	N	1	bc	1006·5	17·9	14·4	low long N swell
WS 854	45° 16′ S, 64° 25′ W	22 iii	0524 0816	97 97	N	1–6	N	1–2	bc	1004·8	16·3	15·0	low long to mod. short N × W swell
WS 855	From 45° 56′ S, 64° 10′ W to 45° 59′ S, 64° 12′ W	22 iii	1250 1440	115 110	E × N	1–3	N	1–2	c	1003·4	16·1	15·0	low long to mod. short ENE swell
WS 856	46° 35′ S, 64° 11′ W	23 iii	0600 0806	104 104	NW	1–6	NW	1	bc	1006·2	15·0	12·2	low long to mod. short WNW swell
WS 857	From 47° 11′ S, 64° 15′ W to 47° 12′ S, 64° 09′ W	23 iii	1236 1435	123 124	WNW	4–10	NW	2	b	1006·1	15·5	12·8	low long to mod. short NW swell
WS 858	From 45° 42′ S, 60° 30′ W to 45° 40·5′ S, 60° 33′ W	24 iii	1222 1445	132 123	SSE	4–10	S	2	om	1011·8	12·8	11·7	low long S swell
WS 859	From 45° 14′ S, 61° 56′ W to 45° 12′ S, 62° 00′ W to 45° 10′ S, 62° 03′ W	25 iii	0605 0850 1032	106 110 106	W	4–10	WSW	2	b	1020·1	13·9	11·7	low long to mod. short WSW swell
WS 860	From 44° 53′ S, 63° 30′ W to 44° 55′ S, 63° 32′ W	25 iii	1841 2030	101 104	N × W	11–16	NW	3–4	b	1018·4	15·3	13·9	mod. short NW × N swell
WS 861	47° 40′ S, 64° 12′ W	27 iii	0600 0800	117 124	N	1–3	N	1–2	b	1023·3	13·6	11·7	low long NW swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 851 *cont.*	5					**OTC, N 7-T, N 4-T, NCS-T**	221–198	1615	1715	
WS 852	14	0	15·10	33·51	24·83	**N 50 V**	80–0	**0620**	**0622**	+4 hours
		80	10·51	33·38	25·62	**N 70 B**	71–0	0657	0717	KT
						NR	84(–0)	0657	0727	
						BTS	86–88	0742	0812	
WS 853	14	0	14·71	33·45	24·86	**N 50 V**	80–0	1138	1140	
		85	8·14	33·38	26·00	**OTC, N 7-T, N 4-T, NCS-T**	90–90	1220	1320	
WS 854	15	0	14·73	33·32	24·76	**N 50 V**	90–0	0634	0636	
		90	7·16	33·33	26·10	**N 70 B, N 100 B**	74–0	0658	0718	KT
						NR	97(–0)	0658	0728	
						BTS	97–97	0746	0816	
WS 855	15	0	14·71	33·34	24·78	**N 50 V**	100–0	1306	1308	
		110	6·78	33·41	26·22	**OTC, N 7-T, N 4-T, NCS-T**	115–110	1340	1440	
WS 856	16	0	13·61	33·54	25·16	**N 50 V**	100–0	**0620**	**0622**	
		100	7·32	33·33	26·08	**N 70 B, N 100 B**	85–0	0643	0703, 0713	KT
						NR	104(–0)	0643	0713	
						BTS	104–104	0736	0806	
WS 857	16	0	13·49	33·62	25·25	**N 50 V**	100–0	1304	1306	
		120	8·02	33·58	26·18	**OTC, N 7-T, N 4-T, NCS-T**	123–124	1335	1435	
WS 858	17	0	12·71	33·60	25·39	**N 50 V**	100–0	1303	1305	
		130	5·96	33·63	26·51	**OTC, N 7-T, N 4-T, NCS-T**	132–123	1335	1445	
WS 859	18	0	14·08	33·64	26·14	**N 50 V**	100–0	0717	0719	
		100	6·71	33·68	26·44	**OTC, N 7-T, N 4-T, NCS-T**	106–110	0750	0850	Haul A
						OTC, N 7-T, N 4-T, NCS-T	110–106	0932	1032	Haul B
WS 860	18	0	15·06	33·36	24·72	**N 50 V**	100–0	**1902**	**1904**	
		100	7·21	33·44	26·18	**OTC, N 7-T, N 4-T, NCS-T**	101–104	**1930**	**2030**	
WS 861	20	0	12·38	33·45	25·34	**N 50 V**	90–0	**0619**	**0621**	
		90	8·91	33·58	26·05	**N 70 B, N 100 B**	68–0	0639	0659, 0709	Depth estimated
						NR	117(–0)	0639	0709	[of tow
						BTS	117–124	0730	0800	Net probably off bottom during part

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 862	From 48° 23′ S, 64° 15′ W to 48° 26′ S, 64° 13′ W	27 iii	1255 1435	112 115	Lt airs	0	—	0	b	1024·7	15·3	13·1	low av. N × W swell
WS 863	49° 05′ S, 64° 09′ W	28 iii	0600 0817	121 117	N × W	7–16	N × W	2–3	b	1019·3	11·9	10·0	mod. short N swell
WS 864	From 49° 32′ S, 64° 15′ W to 49° 35′ S, 64° 17′ W	28 iii	1109 1255	128 126	NNW	7–10	N × W	2	b	1018·4	12·2	11·1	mod. short N × W swell
WS 865	50° 03′ S, 64° 14′ W	29 iii	0514 0748	126 128	NNW	11–21	NNW	3	c	1010·5	10·6	8·9	mod. av. NW swell
WS 866	From 50° 36′ S, 64° 15′ W to 50° 39·5′ S, 64° 15′ W	29 iii	1210 1358	137 144	N × W	7–10	NNW	3	o	1011·0	10·1	9·9	mod. av. NNW swell
WS 867	51° 10′ S, 64° 15·5′ W	30 iii	0600 0830	150 148	NNE	17–21	NNE	4	om	1002·4	9·4	8·9	mod. short to mod. av. N swell
WS 868	From 51° 45′ S, 64° 16′ W to 51° 46·5′ S, 64° 17′ W	30 iii	1245 1440	166 163	W × S	7–10	conf.	3	or	1001·7	8·8	8·6	mod. av. conf. swell
WS 869	52° 15·5′ S, 64° 13·8′ W	31 iii	0600 0825	187 201	W × N	7–10	W	3	bc	1001·4	9·2	6·1	mod. short W × N swell
WS 870	From 52° 49′ S, 64° 15′ W to 52° 50′ S, 64° 10′ W	31 iii	1300 1500	269 276	WSW	4–6	W	2	bc	1000·2	9·9	7·8	mod. short W swell
WS 871	53° 16′ S, 64° 12′ W	1 iv	0600 0955	336 342	S	1–6	S	1	b	1007·1	7·5	5·6	low long SW swell
WS 872	From 53° 49′ S, 64° 15′ W to 53° 47′ S, 64° 22′ W	1 iv	1510 1705	139 134	S	4–6	S	1	bc	1007·8	8·9	6·7	low long S swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 862	20	0	12·21	33·41	25·34	**N 50 V**	100–0	1309	1311	
		110	8·42	33·45	26·02	**OTC**				
						N 7-T	112–115	1335	1435	
						N 4-T				
						NCS-T				
WS 863	21	0	10·20	33·41	25·70	**N 50 V**	100–0	0624	0626	
		120	7·38	33·33	26·07	**N 70 B**	71–0	0647	0707	KT
						N 100 B				
						NR	121(–0)	0647	0717	
						BTS	121–117	0747	0817	
WS 864	21	0	9·93	33·41	25·75	**N 50 V**	100–0	1124	1126	
		120	7·51	33·45	26·15	**OTC**				
						N 7-T	128–126	1155	1255	
						N 4-T				
						NCS-T				
WS 865	22	0	9·36	—	—	**N 50 V**	100–0	0634	0636	
		120	7·70	33·37	26·06	**N 70 B**	79–0	0700	0720	KT
						N 100 B				
						NR	126(–0)	0700	0733	
						BTS	126–128	0742	0812	
WS 866	22	0	9·01	33·51	25·97	**N 50 V**	100–0	1226	1228	
		130	7·41	33·52	26·22	**OTC**				
						N 7-T	137–144	1258	1358	
						N 4-T				
						NCS-T				
WS 867	23	0	8·62	33·83	26·29	**N 50 V**	100–0	**0628**	**0630**	
		150	7·81	34·30	26·77	**N 70 B**	95–0	0655	0715	KT
						N 100 B				
						NR	150(–0)	0655	0725	
						BTS	150–148	0748	0818	
WS 868	23	0	8·24	33·64	26·19	**N 50 V**	100–0	1307	1309	
		160	7·93	33·70	26·28	**OTC**				
						N 7-T	166–163	1340	1440	
						N 4-T				
						NCS-T				
WS 869	24	0	8·02	33·62	26·21	**N 50 V**	100–0	**0626**	**0628**	
		180	7·18	33·81	26·48	**N 70 B**	120–0	0650	0710	KT
						N 100 B				
						NR	187(–0)	0650	0730	
						BTS	187–201	0755	0825	
WS 870	24	0	7·99	33·55	26·16	**N 50 V**	100–0	1323	1325	
		250	6·19	33·98	26·75	**OTC**	269–276	1400	1500	Nets probably not fishing properly
						NCS-T				
WS 871	25	0	7·49	33·71	26·36	**N 50 V**	100–0	**0627**	**0629**	
		300	5·91	34·17	26·93	**N 70 B**	137–0	0705	0725	KT
						N 100 B				
						NR	336(–0)	0705	0750	
						BTS	336–342	0925	0955	
WS 872	25	0	7·49	33·62	26·29	**N 50 V**	100–0	1530	1532	
		135	6·61	33·87	26·61	**OTC**				
						N 7-T	139–134	1605	1705	
						N 4-T				
						NCS-T				

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1932											
WS 873	52° 35′ S, 67° 19′ W	2 iv	1900	93	W	1–3	—	0	bc	1017·2	8·9	6·7	low av. to low long SW swell
WS 874	From 52° 35′ S, 65° 17′ W	3 iv	0700	135	WSW	4–6	SW	1	c	1018·0	9·2	8·3	low long W swell
	to 52° 36′ S, 65° 11′ W		1010	132									
WS 875	From 52° 35′ S, 63° 50′ W	3 iv	1523	252	SE	4–10	SE	2	c	1018·2	8·3	6·7	low long to mod. short ESE swell
	to 52° 37′ S, 63° 45·5′ W		1655	234									
WS 876	52° 35′ S, 63° 17′ W	3 iv	1948	263	SSE	4–6	SSE	2	od	1017·3	7·2	5·6	low long to mod. short S swell
WS 877	52° 35·5′ S, 61° 04′ W	4 iv	0720	349	S × W	11–16	S	3–4	c	1013·7	6·7	3·9	mod. short to mod. av. S swell
WS 878	52° 36′ S, 58° 54′ W	4 iv	2045	121	SE	17–21	SE	4	c	1010·3	6·1	4·4	mod. av. to mod. long SE swell
WS 879	51° 39′ S, 57° 39′ W	5 iv	0705	53	SSW	11–21	S	4	c	1010·8	6·7	5·0	mod. av. to mod. long S swell
WS 880	50° 31′ S, 57° 33′ W	16 iv	2000	302	NE	17–21	N	4	cr	975·6	3·9	3·3	mod. short N swell
WS 881	47° 28′ S, 57° 18′ W	17 iv	2000	—	W	7–10	W	2	c	1002·2	7·8	5·6	mod. short W swell
WS 882	41° 05·5′ S, 56° 21′ W	19 iv	2000	1194	NNW	7–10	N	2	b	1012·4	10·6	8·9	mod. short N swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S°/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 873	27	0	9·17	33·12	25·64	**N 50 V**	90–0	**1917**	**1919**	
		90	8·98	33·48	25·95	**N 70 B**	80–0	**1942**	**2002**	Depth estimated
						N 100 B				
						NR	93(–0)	**1942**	**2012**	
WS 874	27	0	8·51	—	—	**N 50 V**	100–0	0720	0722	
		130	8·29	33·51	26·09	**N 70 B**	73–0	0746	0806	KT
						N 100 B				
						NR	135(–0)	0746	0816	
						OTC	135–132	0910	1010	Catches discarded
						N 7-T				
						N 4-T				
						NCS-T				
WS 875	27	0	7·81	33·57	26·20	**OTC**	252–234	1555	1655	Catches discarded
		230	6·38	33·99	26·74	**N 7-T**				
						N 4-T				
						NCS-T				
WS 876	28	0	7·59	33·72	26·35	**N 50 V**	100–0	**2019**	**2021**	
		250	5·36	34·10	26·94	**N 70 B**	135–0	**2043**	**2105**	KT
						N 100 B				
						NR	263(–0)	**2043**	**2116**	
WS 877	28	0	5·58	33·83	26·71	**N 50 V**	100–0	0751	0753	
		340	4·86	34·15	27·05	**N 70 B**	88–0	0820	0840	KT
						N 100 B				
						NR	349(–0)	0820	0910	
WS 878	29	0	7·47	33·89	26·50	**N 50 V**	100–0	**2108**	**2110**	
		120	6·78	33·93	26·62	**N 70 B**	84–0	**2134**	**2154**	KT
						N 100 B				
						NR	121(–0)	**2134**	**2204**	
WS 879	29	0	8·45	33·76	26·26	**N 50 V**	50–0	0727	0729	
		50	8·44	33·74	26·24	**N 70 B**	53–0	0745	0805	Depth estimated
WS 880	11	—	—	—	—	**N 50 V**	100–0	**2020**	**2022**	
						TYF	*ca.* 300–0	**2108**	**2133**	Depth estimated. Net badly torn
WS 881	12	0	7·10	34·09	26·71	**N 50 V**	100–0	**2010**	**2012**	
						TYF	*ca.* 700–0	**2039**	**2129**	Depth estimated
WS 882	14	0	8·75	34·07	26·45	**N 50 V**	100–0	**2009**	**2011**	
						TYF	*ca.* 700–0	**2049**	**2139**	Depth estimated

R.R.S. 'WILLIAM SCORESBY' WHALE-MARKING CRUISE STATIONS WS 883–895

31. xii. 1934—20. ii. 1935

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 883	61° 06′ S, 90° 18′ E	1934 31 xii	0010	·/400	SE × E	4–6	SE × E	2	os	977·1	0·6	0·6	conf. swell
WS 884	60° 16′ S, 90° 18′ E	31 xii	0900	·/400	NE × N	4–6	NE × N	2	o	979·3	0·6	0·6	conf. swell
WS 885	59° 25′ S, 90° 13′ E	31 xii	1600	·/400	NNE	4–6	NNE	2	o	979·3	1·7	1·1	mod. long swell
WS 886	From 63° 34′ S, 83° 41′ E to 63° 30′ S, 83° 30′ E	1935 4 i	0935 1400	·/400	E × S	34–40	E × S	5	o	965·4	0·0	—	low long swell
WS 887	66° 10′ S, 58° 47′ E	12 i	2215	·/400	E × N	28–33	E × N	4	o	987·5	0·0	—	mod. av. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S.°/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 883	24	0	−0·19	33·79	27·17	—	—	—	—	+6 hours 25 minutes
		10	−0·19	33·79	27·17					
		20	−0·24	33·81	27·18					
		30	−1·29	34·03	27·40					
		40	−1·44	34·06	27·43					
		50	−1·54	34·14	27·50					
		60	−1·64	34·23	27·57					
		80	−1·49	34·32	27·64					
		100	−1·39	34·33	27·64					
		150	−0·59	34·34	27·63					
		200	0·21	34·52	27·73					
		300	1·07	34·64	27·78					
		400	1·42	34·70	27·80					
WS 884	24	0	−0·04	33·79	27·16					
		10	−0·04	33·79	27·16					
		20	−0·07	33·79	27·16					
		30	−0·09	33·80	27·16					
		40	−0·14	33·81	27·18					
		50	−0·01	33·94	27·27					
		60	−0·04	33·97	27·30					
		80	−0·59	34·05	27·39					
		100	−0·84	34·14	27·48					
		150	−0·49	34·23	27·53					
		200	−1·59	34·29	27·61					
		300	−0·24	34·47	27·71					
		400	0·76	34·59	27·76					
		150	−0·34	34·27	27·56	—	—	—	—	Repeated after 400 m. haul
WS 885	24	0	0·36	33·76	27·11					
		10	0·16	33·79	27·15					
		20	0·06	33·83	27·19					
		30	0·06	33·83	27·19					
		40	−0·01	33·84	27·19					
		50	−0·14	33·85	27·21					
		60	−0·87	33·87	27·26					
		80	−1·11	33·97	27·35					
		100	−1·14	34·05	27·41					
		150	−0·64	34·22	27·52					
		200	0·36	34·35	27·59					
		300	1·77	34·59	27·69					
		400	1·90	34·68	27·75					
WS 886	29	0	−1·02	33·72	27·14	**N 70 B**	100–0	1334	1354	Strong head wind in pack-ice. +6 hours 5 minutes. Depth estimated
		10	−1·04	33·72	27·14	**N 100 B**				
		20	−1·07	33·72	27·14					
		30	−1·14	34·05	27·41					
		40	−0·74	34·33	27·61					
		50	−0·34	34·38	27·65					
		60	0·51	34·48	27·68					
		80	1·27	34·58	27·71					
		100	1·57	34·62	27·73					
		150	1·67	34·64	27·73					
		200	1·77	34·67	27·75					
		300	1·79	34·70	27·77					
		400	1·77	34·71	27·79					
WS 887	8	0	−1·10	33·54	27·00	—	—	—	—	+4 hours 40 minutes
		10	−1·09	33·54	26·99					
		20	−1·09	33·54	26·99					
		30	−1·52	33·90	27·30					
		40	−1·74	34·08	27·46					
		50	−1·74	34·17	27·53					
		60	−1·74	34·18	27·54					
		80	−1·71	34·23	27·57					
		100	−1·71	34·29	27·62					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 887 *cont.*	66° 10′ S, 58° 47′ E	1935 12 i											
WS 888	From 64° 25′ S, 56° 13′ E to 64° 24·5′ S, 56° 09′ E	13–14 i	2200 0035	·/400	E × S	7–10	E × S	2	os	992·9	0·0	—	mod. short swell
WS 889	64° 12′ S, 54° 06′ E	14 i	2200	·/400	SE	22–27	SE	5	c	994·0	0·0	—	mod. short swell
WS 890	64° 29′ S, 49° 43′ E	20 i	2140	·/400	N	4–6	N	2	os	992·9	0·0	—	low short swell
WS 891	63° 30′ S, 47° 49′ E	21 i	2150	·/400	N	4–6	N	2	os	989·9	−0·6	—	low short swell
WS 892	From 64° 49′ S, 09° 02′ E to 64° 49′ S, 09° 06′ E	15–16 ii	2330 0140	·/400	NE × E	4–6	NE × E	2	os	987·9	0·0	—	conf. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	Gear	Depth (metres)	TIME From	TIME To	
WS 887 *cont.*	8	150	−1·69	34·35	27·68					
		200	−1·69	34·36	27·68					
		300	−1·54	34·43	27·73					
		400	−1·32	34·51	27·79					
WS 888	9	0	−0·14	33·87	27·23	**N 70 B**	100–0	**2335**	**2355**	Depth estimated.
		10	−0·14	33·87	27·23	**N 100 B**				
		20	−0·22	33·91	27·26	**N 100 H**	2–0	**0010**	**0030**	+4 hours 10 minutes
		30	−0·24	33·93	27·27					
		40	−1·68	34·19	27·54					
		50	−1·74	34·20	27·55					
		60	−1·74	34·22	27·56					
		80	−1·54	34·24	27·58					
		100	1·17	34·51	27·66					
		150	1·47	34·59	27·71					
		200	1·52	34·63	27·74					
		300	1·57	34·69	27·77					
		400	1·57	34·69	27·77					
WS 889	10	0	0·16	33·94	27·26	**N 100 H**	5–0	**2325**	**2345**	+3 hours 40 minutes
		10	0·16	33·94	27·26					
		20	0·14	33·94	27·26					
		30	−0·12	33·95	27·29					
		40	−1·58	34·15	27·51					
		50	−1·72	34·19	27·54					
		60	−1·72	34·20	27·55					
		80	−1·39	34·26	27·59					
		100	0·87	34·52	27·69					
		150	1·44	34·62	27·74					
		200	1·52							
		300	1·57	34·70	27·79					
		400	1·57	34·70	27·79					
WS 890	16	0	−0·04	33·49	26·91	**N 100 H**	5–0	2146	2206	+3 hours
		10	−0·14	33·52	26·95					
		20	−0·22	33·77	27·14					
		30	−1·36	33·99	27·37					
		40	−1·64	34·14	27·50					
		50	−1·74							
		60	−1·74							
		80	−1·70	34·31	27·64					
		100	−1·44	34·40	27·70					
		150	0·33	34·58	27·77					
		200	0·87	34·64	27·79					
		300	1·30	34·69	27·79					
		400	1·07	34·69	27·81					
WS 891	16	0	0·87	33·78	27·10	**N 100 H**	5–0	2200	2220	+2 hours 50 minutes
		10	0·82	33·86	27·15					
		20	0·64	33·86	27·17					
		30	−0·77	33·93	27·30					
		40	−1·62	33·93	27·32					
		50	−1·64	34·15	27·51					
		60	−1·54	34·23	27·57					
		80	−0·79	34·36	27·65					
		100	0·36	34·54	27·74					
		150	1·37	34·63	27·75					
		200	1·50	34·68	27·78					
		300	1·52	34·69	27·78					
		400	1·46	34·69	27·78					
WS 892	12	0	0·67	33·94	27·23	**N 100 B**	100–0	**0110**	**0130**	Depth estimated. +0 hour 30 minutes
		10	0·71	33·94	27·23					
		20	0·70	33·94	27·23					
		30	0·66	33·94	27·23					
		40	0·08	34·02	27·34					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 892 *cont.*	From 64° 49′ S, 09° 02′ E to 64° 49′ S, 09° 06′ E	1935 15–16 ii											
WS 893	63° 13′ S, 05° 29′ E	16 ii	2105	$\frac{\cdot}{400}$	SE × S	17–21	SE × S	4	o	989·2	0·0	—	conf. swell
WS 894	61° 29′ S, 04° 13′ E	17 ii	2100	$\frac{\cdot}{400}$	SSW	11–16	SSW	3	os	992·2	0·0	0·0	conf. swell
WS 895	61° 36′ S, 14° 43′ E	20 ii	2010	$\frac{\cdot}{400}$	WSW	22–27	WSW	5	c	1001·7	0·6	—	mod. short swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S°/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 892 *cont.*	12	50	−1·22	34·32	27·63					
		60	−1·44	34·40	27·70					
		80	−0·54	34·51	27·76					
		100	0·29	34·60	27·78					
		150	0·94	34·67	27·80					
		200	1·17	34·68	27·80					
		300	1·25	34·71	27·82					
		400	1·17	34·74	27·85					
WS 893	13	0	1·00	33·94	27·21	**N 100 B**	100–0	2117	2137	Depth estimated. +0 hour 15 minutes
		10	1·00	33·94	27·21					
		20	0·97	33·94	27·21					
		30	0·97	33·94	27·21					
		40	0·77	33·94	27·23					
		50	0·06	33·98	27·31					
		60	−1·13	34·14	27·49					
		80	−1·69	34·31	27·63					
		100	−1·69	34·31	27·63					
		150	−1·77	34·39	27·71					
		200	0·36	34·61	27·80					
		300	0·55	34·67	27·83					
		400	0·46	34·67	27·83					
WS 894	14	0	0·60	33·71	27·06	**N 100 B**	100–0	**2218**	**2238**	Depth estimated. GMT
		10	0·59	33·75	27·09					
		20	0·62	33·78	27·12					
		30	0·52	33·95	27·25					
		40	−0·04	34·05	27·36					
		50	−1·62	34·27	27·60					
		60	−1·69	34·28	27·61					
		80	−1·72	34·28	27·62					
		100	−1·69	34·29	27·61					
		150	−1·34	34·40	27·70					
		200	0·26	34·62	27·82					
		300	0·38	34·67	27·84					
		400	0·38	34·70	27·87					
WS 895	17	0	1·05	33·86	27·14	**N 100 B**	100–0	2119	2139	Depth estimated. +0 hour 20 minutes
		10	1·05	33·86	27·14					
		20	1·05	33·86	27·14					
		30	1·02	33·86	27·14					
		40	0·85	33·87	27·17					
		50	−1·20	34·11	27·46					
		60	−1·53	34·20	27·54					
		80	−1·54	34·27	27·60					
		100	−0·74	34·39	27·68					
		150	0·77	34·62	27·79					
		200	0·97	34·64	27·78					
		300	0·92	34·71	27·85					
		400	0·88	34·71	27·85	—	—	—	—	Moderate stray on wire

R.R.S. 'WILLIAM SCORESBY' WHALE-MARKING CRUISE STATIONS WS 896–922

27–28. xii. 1935—31. iii. 1936

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 896	63° 44′ S, 46° 26′ E	1935 27–28 xii	2200	—	NW × W	11–16	NW × W	2	cs	995·9	− 1·2	—	low av. swell
WS 897	62° 20·5′ S, 47° 23′ E	28 xii	2105	—	W × N	28–33	W × N	5	csq	992·4	0·5	0·1	low av. swell
WS 898	56° 30′ S, 46° 31·5′ E	1936 4 i	2045	—	ENE	11–16	ENE	3	od	990·9	1·3	1·1	mod. conf. swell
WS 899	59° 36′ S, 49° 11′ E	6 i	2130	—	SSE	4–6	SSE	1	b	988·0	0·00	− 1·2	mod. to heavy conf. swell
WS 900	60° 21′ S, 50° 34′ E	7 i	2107	—	N	11–16	N	3	bc	986·7	0·6	—	low long swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 896	2	0	−1·12	33·78	27·20	**N 100 B**	100–0	**0015**	**0035**	Depth estimated. −2 hours
		10	−1·12	33·81	27·22					
		20	−1·56	34·06	27·43					
		30	−1·73	34·21	27·56					
		40	−1·73	34·21	27·56					
		50	−1·68	34·23	27·56					
		60	−1·66	34·27	27·60					
		80	0·39	34·51	27·71					
		100	1·07	34·56	27·71					
		150	1·38	34·64	27·76					
		200	1·57	34·65	27·74					
		300	1·62	34·72	27·80					
		400	1·62	34·84	27·90					
WS 897	3	0	0·42	33·94	27·25	**N 100 B**	100–0	2213	2233	Depth estimated. −2 hours
		10	0·41	33·94	27·25					
		20	0·36	33·96	27·27					
		30	−0·65	33·98	27·34					
		40	−1·14	33·99	27·37					
		50	−1·42	34·05	27·42					
		60	−1·54	34·11	27·47					
		80	−1·64							
		100	−1·49	34·20	27·54					
		150	0·36	34·44	27·66					
		200	1·29	34·59	27·72					
		300	1·54	34·67	27·76					
		400	1·57	34·69	27·77					
WS 898	10	0	1·20	33·94	27·20	**N 100 B**	100–0	**2210**	**2230**	Depth estimated. −3 hours
		10	1·16	33·94	27·20					
		20	1·06	33·94	27·21					
		30	1·03	33·95	27·22					
		40	1·01	33·96	27·23					
		50	1·01	33·96	27·23					
		60	0·93	33·96	27·24					
		80	−0·04	33·98	27·31					
		100	−0·31	34·00	27·34					
		150	−0·14	34·14	27·44					
		200	0·86	34·38	27·58					
		300	1·46	34·55	27·68					
		400	1·72	34·64	27·73					
WS 899	12	0	0·56	33·84	27·16	**N 100 B**	100–0	**2245**	**2305**	Depth estimated
		10	0·54	33·85	27·17					
		20	0·26	33·85	27·19					
		30	0·08	33·85	27·20					
		40	0·03	33·85	27·20					
		50	0·03	33·85	27·20					
		60	−0·04	33·85	27·20					
		80	−1·64	33·95	27·34					
		100	−1·69	34·00	27·38					
		150	−0·17	34·25	27·53					
		200	1·11	34·48	27·64					
		300	1·77	34·63	27·72					
		400	1·85	34·68	27·75					
WS 900	13	0	1·01	33·86	27·14	**N 100 B**	100–0	**2213**	**2233**	Depth estimated
		10	0·46	33·87	27·19					
		20	0·32	33·80	27·14					
		30	0·06	33·83	27·19					
		40	0·01	33·86	27·20					
		50	−0·09	33·87	27·21					
		60	−1·55	33·99	27·38					
		80	−1·66	34·03	27·41					
		100	−1·14	34·14	27·48					
		150	1·01	34·46	27·63					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1936											
WS 900 *cont.*	60° 21′ S, 50° 34′ E	7 i											
WS 901	62° 07′ S, 51° 37′ E	8–9 i	2350	—	E × N	4–6	E × N	1	os	987·5	0·1	—	conf. swell
WS 902	63° 35′ S, 53° 12′ E	17 i	2135	—	WSW	22–27	WSW	5	bcq	979·5	0·4	−0·3	mod. to heavy conf. swell
WS 903	65° 36′ S, 55° 12′ E	19 i	1050	—	W × N	48–55	W × N	1	bq	990·5	0·0	−0·6	low long swell
WS 904	63° 47′ S, 84° 16′ E	24 i	2105	—	W	7–10	W	2	o	999·2	0·5	−0·9	low av. swell
WS 905	61° 05′ S, 84° 17′ E	25 i	2210	—	W × N	11–16	W × N	2	os	998·2	1·1	0·7	low av. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S°/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 900 *cont.*	13	200	1·53	34·56	27·67					
		300	1·82	34·66	27·73					
		400	1·82	34·69	27·75					
WS 901	14	0	0·33	33·91	27·23	**N 100 B**	100–0	**0052**	**0112**	Depth estimated
		10	0·28	33·94	27·26					
		20	0·16	33·95	27·27					
		30	−0·08	33·96	27·29					
		40	−0·24	33·97	27·31					
		50	−0·34	33·97	27·32					
		60	−1·49	34·05	27·42					
		80	−1·58	34·11	27·47					
		100	−0·94	34·22	27·53					
		150	0·96	34·50	27·66					
		200	1·37	34·62	27·75					
		300	1·62	34·69	27·77					
		400	1·58	34·70	27·79					
WS 902	23	0	0·05	33·61	27·01	**N 100 B**	115–0	**2253**	**2313**	Depth estimated
		10	0·05	33·61	27·01					
		20	0·05	33·60	27·00					
		30	−0·13	33·61	27·02					
		40	−0·18	33·66	27·05					
		50	−0·49	33·78	27·16					
		60	−1·54	34·08	27·45					
		80	−1·60	34·16	27·51					
		100	−1·59	34·16	27·51					
		150	0·35	34·42	27·63					
		200	1·32	34·52	27·66					
		300	1·53	34·60	27·70					
		400	1·60	34·68	27·77					
WS 903	25	0	−1·62	33·69	27·13	—	—	—	—	In pack ice
		10	−1·63	33·69	27·13					
		20	−1·64	33·76	27·19					
		30	−1·67	34·16	27·51					
		40	−1·72	34·24	27·59					
		50	−1·72	34·29	27·62					
		60	−1·72	34·33	27·65					
		80	−1·71	34·39	27·71					
		100	−1·70	34·39	27·71					
		150	−1·66	34·38	27·69					
		200	−1·69	34·43	27·73					
		300	−1·57	34·45	27·74	—	—	—	—	Moderate stray on wire
		400	−1·29	34·48	27·76					
WS 904	1	0	0·26	33·26	26·71	**N 100 B**	95–0	**2210**	**2230**	Depth estimated. −5 hours
		10	0·26	33·26	26·71					
		20	0·21	33·58	26·97					
		30	−0·67	33·77	27·16					
		40	−1·34	33·97	27·35					
		50	−1·54	34·12	27·48					
		60	−1·54	34·19	27·54					
		80	−1·45	34·29	27·61					
		100	−1·24	34·34	27·65					
		150	−1·14	34·41	27·70					
		200	−0·71	34·45	27·71					
		300	0·60	34·59	27·77					
		400	0·96	34·65	27·78					
WS 905	2	0	0·94	33·47	26·84	**N 100 B**	100–0	**2325**	**2345**	Depth estimated. −5 hours 30 minutes
		10	0·94	33·52	26·89					
		20	0·04	33·49	26·91					
		30	−0·54	33·78	27·17					
		40	−0·99	34·14	27·48					
		50	−0·94	34·15	27·49					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 905 *cont.*	61° 05′ S, 84° 17′ E	1936 25 i											
WS 906	59° 23′ S, 87° 26′ E	27 i	2055	—	NW × W	28–33	NW × W	6	cs	988·2	1·1	0·7	mod. short swell
WS 907	60° 40·5′ S, 100° 57′ E	8 ii	2005	—	E × N	11–16	E × N	3	ors	970·3	1·1	1·1	conf. swell
WS 908	62° 19′ S, 102° 13′ E	9 ii	2040	—	SSE	28–33	SSE	6	or	972·9	1·7	1·1	mod. short swell
WS 909	63° 27′ S, 103° 45′ E	10 ii	2020	—	SSE	7–10	SSE	2	ors	979·9	−0·6	−0·6	mod. av. swell
WS 910	64° 26′ S, 103° 54′ E	11 ii	2115	—	calm	<1	—	1	bv	984·8	−5·0	−5·6	conf. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 905 *cont.*	2	60	−0·64	34·21	27·52					
		80	0·45	34·33	27·56					
		100	0·76	34·43	27·62					
		150	1·09	34·54	27·70					
		200	1·66	34·59	27·69					
		300	1·87	34·65	27·72					
		400	1·85	34·68	27·75					
WS 906	4	0	1·57	33·78	27·05	**N 100 B**	100–0	**2155**	**2215**	Depth estimated. −6 hours
		10	1·57	33·78	27·05					
		20	1·57	33·78	27·05					
		30	1·57	33·78	27·05					
		40	1·49	33·78	27·06					
		50	0·93	33·81	27·12					
		60	0·31	33·84	27·17					
		80	−0·34	33·95	27·30					
		100	−0·44	34·00	27·34					
		150	0·26	34·22	27·50					
		200	1·17	34·39	27·57					
		300	1·82	34·54	27·64					
		400	1·95	34·63	27·70					
WS 907	16	0	2·27	33·61	26·86	**N 100 B**	100–0	**2115**	**2135**	Depth estimated
		10	2·29	33·69	26·92					
		20	2·27	33·73	26·95					
		30	1·97	33·74	26·99					
		40	0·36	33·78	27·12					
		50	−0·64	34·00	27·35					
		60	−0·92	34·05	27·40					
		80	−1·03	34·15	27·49					
		100	−0·69	34·20	27·51					
		150	0·88	34·47	27·65					
		200	1·49	34·58	27·70					
		300	1·65	34·60	27·70					
		400	1·65	34·69	27·77					
WS 908	17	0	1·47	33·60	26·91	**N 100 B**	100–0	2045	2105	Depth estimated
		10	1·47	33·63	26·94					
		20	1·47	33·65	26·95					
		30	1·45	33·65	26·95					
		40	0·20	33·93	27·25					
		50	−0·74	34·07	27·41					
		60	−1·01	34·14	27·48					
		80	−1·12	34·30	27·61					
		100	0·76	34·53	27·71					
		150	1·47	34·60	27·71					
		200	1·57	34·64	27·74					
		300	1·55	34·67	27·76					
		400	1·57	34·70	27·79					
WS 909	18	0	1·08	33·55	26·90	**N 100 B**	95–0	2132	**2152**	Depth estimated
		10	1·09	33·52	26·88					
		20	1·15	33·59	26·93					
		30	−0·12	33·81	27·18					
		40	−1·06	34·17	27·51					
		50	−1·26	34·13	27·47					
		60	−1·42	34·25	27·58					
		80	−1·64	34·33	27·64					
		100	−1·66	34·52	27·80					
		150	−1·74	34·51	27·80					
		200	−1·72	34·43	27·74					
		300	−1·14	34·47	27·75					
		400	−0·27	34·58	27·80					
WS 910	19	0	−0·86	33·32	26·82	**N 100 B**	100–0	**2225**	**2245**	Depth estimated
		10	−0·74	33·38	26·85					
		20	−0·73	33·38	26·85					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 910 *cont.*	64° 26′ S, 103° 54′ E	1936 11 ii											
WS 911	64° 49′ S, 103° 33′ E	12 ii	0945	—	E	17–21	E	3	cv	982·5	−5·0	−5·6	low long swell
WS 912	64° 40′ S, 79° 38′ E	22 ii	2035	—	S × W	11–16	S × W	2	csp	1007·1	−0·6	−1·8	low av. swell
WS 913	68° 45′ S, 70° 42′ E	24 ii	2100	$\frac{\cdot}{549}$	S × W	34–40	S × W	5	os	996·0	−7·3	—	no swell
WS 914	67° 48′ S, 70° 41·5′ E	25 ii	1910	300	S × E	34–40	S × E	5	c	993·5	−5·6	−6·1	conf. swell
WS 915	64° 31′ S, 56° 06·5′ E	29 ii	2020	—	variable	4–6	—	1	c	993·3	−4·4	−5·0	conf. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 910 *cont.*	19	30	−0·64	33·47	26·92					
		40	−1·14	33·81	27·22					
		50	−1·67	34·11	27·47					
		60	−1·72	34·34	27·66					
		80	−1·79	34·34	27·66					
		100	−1·80	34·34	27·66					
		150	−1·82	34·35	27·68					
		200	−1·82	34·13	27·49					
		300	−1·76	34·40	27·71					
		400	−1·24	34·48	27·76					
WS 911	19	—	—	—	—	**N 100 H**	10–5	0945	1005	In very young pancake ice, at edge of pack
WS 912	0	0	1·07	33·68	27·00	**N 100 B**	95–0	**2125**	**2145**	Depth estimated. −5 hours 30 minutes
		10	1·07	33·69	27·01					
		20	1·01	33·69	27·01					
		30	0·90	33·69	27·02					
		40	0·68	33·71	27·05					
		50	−1·02	34·15	27·49					
		60	−1·19	34·25	27·57					
		80	−0·86	34·36	27·65					
		100	−0·34	34·43	27·69					
		150	1·14	34·61	27·75					
		200	1·32	34·64	27·76					
		300	1·49	34·72	27·81					
		400	1·37	34·72	27·82					
WS 913	2	0	−0·56	33·96	27·32	—	—	—	—	−4 hours 30 minutes
		10	−0·56	34·01	27·36					
		20	−0·54	34·01	27·36					
		30	−0·54	34·01	27·36					
		40	−0·52	34·01	27·35					
		50	−0·46	34·02	27·36					
		60	−0·49	34·02	27·36					
		80	−1·24	34·35	27·66					
		100	−1·29	34·35	27·66					
		150	−1·74	34·42	27·72					
		200	−1·66	34·46	27·75	—	—	—	—	Moderate stray on wire
		300	−1·64	34·48	27·77					
		400	−1·74	34·51	27·80					
WS 914	3	0	−1·34	33·79	27·21	**N 100 B**	90–0	2009	2029	Depth estimated. −4 hours
		10	−1·34	33·78	27·20					
		20	−1·34	33·81	27·22					
		30	−1·34	33·92	27·31					
		40	−1·32	33·82	27·23					
		50	−1·32	33·83	27·24					
		60	−1·30	33·83	27·23					
		80	−1·32	33·87	27·26	—	—	—	—	} Moderately heavy stray on wire
		100	−1·34	33·91	27·30	—	—	—	—	
		150	−1·50	34·38	27·69					
		200	−1·77							
		300	−1·92	34·49	27·78	—	—	—	—	Touched bottom, sample muddy
WS 915	7	0	0·32	33·83	27·17	**N 100 B**	100–0	**2125**	**2145**	Depth estimated. −3 hours 30 minutes
		10	0·19	33·83	27·18					
		20	0·19	33·82	27·17					
		30	0·18	33·82	27·17					
		40	0·07	33·87	27·21					
		50	−0·38	33·86	27·22					
		60	−1·27	34·18	27·52					
		80	−1·24	34·28	27·60					
		100	−0·04	34·39	27·64					
		150	1·47	34·61	27·72					
		200	1·59	34·65	27·74					
		300	1·64	34·68	27·77					
		400	1·59	34·70	27·79					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 916	63° 20′ S, 52° 33′ E	1936 2 iii	1930	—	NE × E	4–6	NE × E	1	c	990·2	−1·1	−1·7	conf. swell
WS 917	65° 55′ S, 51° 12′ E	5 iii	2035	219	E × S	17–21	E × S	2	bcv	975·3	−4·4	−5·0	low long swell
WS 918	64° 28′ S, 23° 04′ E	19 iii	2004	—	SE × S	1–3	SE × S	1	bc	981·6	−1·3	−2·8	conf. swell
WS 919	58° 37′ S, 22° 58′ E	25 iii	2036	—	N × W	22–27	N × W	5	od	981·9	0·1	—	mod. av. swell
WS 920	54° 46′ S, 20° 48′ E	27 iii	2040	—	SW	28–33	SW	5	o	987·5	1·1	—	conf. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	*σt*	Gear	Depth (metres)	TIME From	TIME To	
WS 916	9	0	0·43	33·86	27·18	**N 100 B**	95–0	**2025**	**2045**	Depth estimated. −3 hours
		10	0·43	33·87	27·19					
		20	0·42	33·87	27·19					
		30	0·40	33·87	27·19					
		40	0·38	33·88	27·21					
		50	0·09	33·90	27·24					
		60	−1·44	34·14	27·49					
		80	−1·64	34·18	27·53					
		100	−1·32	34·23	27·56					
		150	1·18	34·52	27·67					
		200	1·40	34·57	27·69					
		300	1·67	34·70	27·78					
		400	1·65	34·71	27·80					
WS 917	12	0	−1·68	33·69	27·13	**N 100 B**	100–0	**2135**	**2155**	Depth estimated
		10	−1·62	33·69	27·13					
		20	−1·59	33·69	27·13					
		30	−1·55	33·69	27·13					
		40	−1·54	33·69	27·13					
		50	−1·54	33·71	27·15					
		60	−1·54	33·71	27·15					
		80	−1·53	33·71	27·15					
		100	−1·46	33·73	27·16					
		150	−1·28	33·88	27·28					
		200	−1·24	34·03	27·40					
		220	−1·23	34·05	27·41					
WS 918	26	0	0·28	34·05	27·35	**N 100 B**	95–0	**2105**	**2125**	Depth estimated. −2 hours
		10	0·27	34·05	27·35					
		20	0·26	34·05	27·35					
		30	0·24	34·05	27·35					
		40	0·22	34·05	27·35					
		50	−0·63	34·14	27·46					
		60	−1·58	34·30	27·62					
		80	−1·32	34·34	27·65					
		100	0·06	34·52	27·74					
		150	1·16	34·65	27·77					
		200	1·19	34·65	27·77					
		300	1·27	34·68	27·79					
		400	1·18	34·73	27·84					
WS 919	3	0	0·66	33·77	27·09	**N 100 B**	95–0	**2147**	**2207**	Depth estimated
		10	0·66	33·78	27·10					
		20	0·66	33·78	27·11					
		30	0·66	33·79	27·12					
		40	0·66	33·79	27·12	—	—	—	—	
		50	0·65	33·79	27·12	—	—	—	—	
		60	0·64	33·78	27·12	—	—	—	—	
		80	0·56	33·79	27·13	—	—	—	—	
		100	−1·10	34·05	27·41	—	—	—	—	Moderate stray on wire
		150	−0·81	34·21	27·53	—	—	—	—	
		200	0·26	34·48	27·70	—	—	—	—	
		300	1·07	34·66	27·79	—	—	—	—	
		400	1·00	34·66	27·79	—	—	—	—	
WS 920	5	0	0·95	34·11	27·36					
		10	0·96	34·12	27·36					
		20	0·96	34·12	27·36					
		30	0·94	34·12	27·37					
		40	0·94	34·12	27·37	—	—	—	—	
		50	0·94	34·12	27·37	—	—	—	—	
		60	0·94	34·12	27·37	—	—	—	—	
		80	0·86	34·15	27·40	—	—	—	—	
		100	−0·21	34·33	27·59	—	—	—	—	Moderately heavy stray on wire
		150	−0·14	34·40	27·65	—	—	—	—	
		200	0·56	34·56	27·74	—	—	—	—	
		300	1·00	34·64	27·78	—	—	—	—	
		400	1·17	34·68	27·80	—	—	—	—	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 921	46° 29′ S, 19° 07′ E	1936 30 iii	2035	—	W	11–16	W	3	0	1007·3	5·6	5·0	conf. swell
WS 922	43° 03′ S, 19° 04′ E	31 iii	2038	—	SW × S	17–21	SW × S	4	0	1019·5	8·8	7·3	mod. av. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 921	8	0	5·60	33·85	26·72					
		10	5·60	33·85	26·72					
		20	5·60	33·85	26·72					
		30	5·59	33·85	26·72					
		40	5·59	33·85	26·72					
		50	5·59	33·85	26·72					
		60	5·59	33·86	26·72					
		80	5·57	33·86	26·72					
		100	5·29	33·86	26·75					
		150	4·58	34·05	26·99					
		200	4·38	34·13	27·07					
		300	3·71	34·17	27·18					
		400	3·20	34·18	27·24					
WS 922	9	0	14·88	35·10	26·10					
		10	14·88	35·10	26·10					
		20	14·68	35·08	26·12					
		30	13·53	34·95	26·27					
		40	12·80	34·86	26·34					
		50	12·41	34·80	26·38					
		60	12·17	34·77	26·39					
		80	11·73	34·71	26·44					
		100	10·95	34·56	26·46					
		150	10·44	34·50	26·50	—	—	—	—	Heavy stray on wire
		200	10·20	34·46	26·51	—	—	—	—	
		300	9·69	34·52	26·65	—	—	—	—	
		400	9·16	34·57	26·77	—	—	—	—	

R.R.S. 'WILLIAM SCORESBY' WHALE-MARKING CRUISE STATIONS WS 923–937

7. xii. 1936—16. iii. 1937

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 923	56° 48′ S, 15° 35′ E (In large open pool inside pack ice)	1936 7 xii	1935	—	SW × W	11–16	SW × W	2	os	1000·8	−1·1	−1·2	low long swell
WS 924	58° 56′ S, 44° 30·5′ E	28 xii	2115	—	S × W	7–10	S × W	2	c	986·8	0·0	−0·6	low av. swell
WS 925	59° 27′ S, 51° 59′ E	30 xii	2007	—	S	17–21	S	4	hs-bc	993·5	0·0	—	conf. swell
WS 926	61° 08′ S, 63° 51′ E	1937 2 i	1907	—	WSW	17–21	WSW	5	orsp	998·3	−0·0	−1·1	low av. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 923	24	0	−1·59	34·05	27·42	**N 100 B**	—	1950	2010	KT broken, depth unknown. −2 hours
		5	−1·59	34·03	27·41	**NHP**	50–0	**2325**	**2333**	NP bottle visible at 10 m.
		10	−1·59	34·04	27·41					
		20	−1·64	34·05	27·42					
		30	−1·64	34·05	27·42					
		40	−1·74	34·05	27·42					
		50	−1·74	34·06	27·43					
		60	−1·74	34·06	27·43					
		80	−1·74	34·12	27·49					
		100	−1·74	34·28	27·62					
		150	−1·64	34·33	27·64					
		200	−0·34	34·55	27·79					
		250	0·21	34·64	27·83					
		300	0·31	34·64	27·82					
		350	0·31	34·67	27·84					
		400	0·36	34·67	27·84					
WS 924	15	0	0·56	33·75	27·09	**N 100 B**	170–0	**2123**	**2143**	KT. −3 hours
		5	0·56	33·79	27·13	**NHP**	50–0	**2320**	**2330**	NP bottle visible at 5 m.
		10	0·46	33·78	27·12					
		20	−0·84	33·81	27·21					
		30	−0·84	33·88	27·27					
		40	−1·14	33·88	27·28					
		50	−1·49	33·97	27·36					
		60	−1·54	34·01	27·39					
		80	−1·69	34·07	27·44					
		100	−1·74	34·07	27·45					
		150	−1·74	34·12	27·49					
		200	0·97	34·46	27·63					
		250	1·57	34·60	27·70					
		300	1·67	34·69	27·76					
		350	1·67	34·60	27·69					
		400	1·77	34·68	27·76					
WS 925	17	0	0·36	33·81	27·15	**N 100 B**	132–0	2013	2033	KT. −4 hours
		5	0·36	33·82	27·16	**NHP**	50–0	2044	2051	NP bottle visible at 5 m.
		10	0·36	33·81	27·15					
		20	0·36	33·81	27·15					
		30	0·28	33·80	27·15					
		40	−0·34	33·81	27·19					
		50	−1·62							
		60	−1·64	34·06	27·43					
		80	−1·69	34·10	27·46					
		100	−1·69	34·12	27·48					
		150	−0·62	34·26	27·56					
		200	1·02	34·54	27·70					
		250	1·77	34·61	27·70					
		300	1·82	34·64	27·72					
		350	1·87	34·70	27·76					
		400	1·87	34·70	27·76					
WS 926	20	0	−0·56	33·41	26·88	**N 100 B**	170–0	1911	1931	KT
		5	−0·56	33·43	26·90	**NHP**	50–0	2111	2115	NP bottle visible at 10 m.
		10	−0·56	33·42	26·89					
		20	−0·59	33·43	26·90					
		30	−0·64	33·43	26·90					
		40	−0·64	33·58	27·01					
		50	−1·10	33·81	27·22					
		60	−1·55	33·87	27·28					
		80	−1·56	33·94	27·33					
		100	−1·59	33·95	27·34					
		150	−0·04	34·14	27·43					
		200	1·57	34·39	27·54					
		250	1·57	34·42	27·55					
		300	1·57	34·47	27·60					
		350	1·75	34·51	27·62	—	—	—	—	} Big stray on wires
		400	1·92	34·61	27·70	—	—	—	—	

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 927	60° 47′ S, 68° 01′ E	1937 3 i	1943	—	W	11–16	W	3	o	994·4	0·0	−0·4	low av. swell
WS 928	60° 50′ S, 79° 28′ E	5 i	1914	—	WNW	7–10	WNW	2	c	988·0	0·0	−1·1	low conf. swell
WS 929	60° 54′ S, 95° 37′ E	22 i	2145	—	NE	4–6	N	1	o	986·2	1·2	1·1	low conf. swell
WS 930	62° 19′ S, 76° 07′ E	29 i	2110	—	N	4–6	N	1	o	984·2	2·5	1·1	low to mod. conf. swell
WS 931	62° 59′ S, 71° 09′ E	30 i	2142	—	ENE	22–27	ENE	5	os	974·0	1·1	0·6	mod. conf. swell
WS 932	63° 23′ S, 64° 40′ E	31 i	2145	—	SSE	4–6	SSE	2	c	985·9	2·1	1·0	mod. conf. swell
WS 933	64° 21′ S, 32° 32′ E	11 ii	2110	—	NE × E	17–21	NE × E	3	c	989·3	1·2	—	mod. conf. swell
WS 934	66° 36′ S, 09° 19′ E	10 iii	1735	—	variable	1–3	E	1	osp	980·0	−0·3	−0·5	low conf. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 927	21	0	−0·46	33·66	27·06	**N 100 B**	104–0	1946	2006	KT. −5 hours
		5	−0·45	33·65	27·06	**NHP**	50–0	2018	2023	NP bottle visible at 10 m.
		350	1·92	33·64	27·72					
		400	2·02	33·68	27·74					
WS 928	23	0	0·38	33·98	27·29	**N 100 B**	157–0	1917	1937	KT
		5	0·39	33·98	27·29	**NHP**	50–0	2103	2109	NP bottle visible at 5 m.
		10	0·39	33·98	27·29					
		20	0·37	33·98	27·29					
		30	0·36	33·99	27·30					
		40	−0·14	34·00	27·33					
		50	−0·94	34·10	27·44					
		60	−1·09	34·20	27·53					
		80	0·20	34·38	27·62					
		100	0·77	34·44	27·64					
		150	1·67	34·58	27·68					
		200	1·75	34·61	27·71					
		250	1·84	34·65	27·72					
		300	1·87	34·65	27·72					
		350	1·92	34·69	27·74					
		400	1·92	34·70	27·75					
WS 929	11	0	2·17	33·85	27·06	**NHP**	50–0	**2227**	**2232**	−6 hours
WS 930	17	0	2·52	33·77	26·96	**N 100 B**	159–0	**2116**	**2136**	KT. −5 hours
		5	2·39	33·77	26·97	**NHP**	50–0	**2318**	**2325**	
		10	1·72	33·79	27·05					
		20	1·27	33·84	27·12					
		30	0·66	33·89	27·19					
		40	−0·24	33·99	27·33					
		50	−1·22	34·00	27·37					
		60	−1·24	34·13	27·47					
		80	−0·80	34·28	27·59					
		100	−0·32	34·35	27·63					
		150	1·27	34·89	27·96					
		200	1·57	34·88	27·93					
		250	1·89	34·68	27·75					
		300	1·92	34·68	27·74					
		350	1·92	34·68	27·74					
		400	1·92	34·77	27·81					
WS 931	18	0	1·37	33·69	26·99	**N 100 B**	121–0	**2149**	**2210**	KT
WS 932	19	0	1·39	33·66	26·96	**N 100 B**	108–0	**2157**	**2217**	KT. −4 hours
		5	1·37	33·66	26·96	**NHP**	50–0	**2230**	**2235**	
		10	1·37	33·65	26·96					
		20	1·17	33·67	26·98					
		30	−0·54	33·89	27·26					
		40	−1·19	34·05	27·41					
		50	−1·52	34·14	27·49					
		60	−1·51	34·15	27·51					
		80	−0·41	34·31	27·59					
		100	0·41	34·41	27·63					
		150	1·67	34·59	27·69					
		200	1·77							
		250	1·87	34·65	27·72					
		300	1·87	34·69	27·75					
		350	1·87	34·69	27·75					
		400	1·87	34·69	27·75					
WS 933	1	0	1·07	33·77	27·07	**N 100 H**	5–0	**2110**	**2130**	−2 hours
WS 934	27	0	0·61	34·14	27·40	**N 100 B**	135–0	1744	1803	KT
		5	0·64	34·34	27·56	**NHP**	50–0	1938	1945	
		10	0·58	34·14	27·41					
		20	0·58	34·14	27·41					

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
WS 934 *cont.*	66° 36′ S, 09° 19′ E	1937 10 iii											
WS 935	64° 07′ S, 09° 58′ E	12 iii	2100	—	W	4–6	W	2	c	987·2	−1·6	—	low conf. swell
WS 936	60° 56′ S, 10° 18′ E	15 iii	1315	—	E × S	17–21	E × S	4	os	960·4	0·9	0·6	low conf. swell
WS 937	57° 42′ S, 10° 17′ E	16 iii	2110	—	SW × S	22–33	SW × S	4–5	ors	961·6	1·3	0·8	conf. swell

Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS				BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	σt	Gear	Depth (metres)	TIME From	TIME To	
WS 934 *cont.*	27	30	0·56	34·14	27·40					
		40	0·56	34·14	27·40					
		50	0·56	34·14	27·40					
		60	−1·34	34·41	27·71					
		80	−0·70	34·55	27·80					
		100	−0·04	34·58	27·79					
		150	0·48	34·65	27·81					
		200	0·56	34·68	27·84					
		250	0·56	34·67	27·83					
		300	0·61	34·67	27·83					
		350	0·71	34·68	27·83					
		400	0·77	34·69	27·83					
WS 935	0	0	1·27	34·11	27·33	**N 100 B**	106–0	2110	2130	KT
		5	1·27	34·10	27·32	**NHP**	50–0	2143	2150	
		10	1·27	34·11	27·33					
		20	1·27	34·13	27·34					
		30	1·27	34·11	27·33					
		40	0·77	34·14	27·39					
		50	−0·97	34·37	27·66					
		60	−1·14	34·40	27·69					
		80	−0·54	34·48	27·74					
		100	0·11	34·55	27·76					
		150	0·97	34·64	27·78					
		200	1·17	34·69	27·80					
		250	1·19	34·69	27·80					
		300	1·12	34·70	27·81					
		350	1·07	34·69	27·81					
		400	1·02	34·70	27·83					
WS 936	3	0	1·27	33·82	27·11	**N 100 B**	146–0	1327	1347	KT
		5	1·30	33·82	27·10	**NHP**	50–0	1513	1520	
		10	1·31	33·84	27·11					
		20	1·35	33·88	27·15					
		30	−1·58	34·18	27·53					
		40	−1·66	34·18	27·53					
		50	−1·71	34·19	27·54					
		60	−1·69	34·21	27·55					
		80	−1·69	34·34	27·67					
		100	−1·64	34·36	27·67					
		150	0·95	34·65	27·78					
		200	1·07	34·68	27·81					
		250	1·12	34·70	27·81					
		300	1·07	34·70	27·83					
		350	1·02	34·71	27·84					
		400	0·99	34·71	27·84					
WS 937	4	0	0·87	33·86	27·15	**N 100 B**	182–0	**2120**	**2144**	Depth estimated
		5	0·89	33·85	27·15	**NHP**	50–0	**2210**	**2218**	
		10	0·89	33·86	27·15					
		20	0·88	33·86	27·15					
		30	0·87	33·86	27·15	—	—	—	—	Full series abandoned in rising gale

R.R.S. 'WILLIAM SCORESBY' WHALE-MARKING CRUISE STATIONS WS 938–959

25. x. 1937—23. ii. 1938

Station	Position	Date	Hour	Sounding (metres)	WIND		SEA		Weather	Barometer (millibars)	Air Temp. °C.		Remarks
					Direction	Force (knots)	Direction	Force			Dry bulb	Wet bulb	
		1937											
WS 938	46° 27′ S, 35° 11′ W	25 x	1930	—	N	11–16	NW	3	c	1012·2	7·8	7·2	low av. NW swell
WS 939	49° 01′ S, 32° 16′ W	30 x	2000	—	WSW	7–10	SW	1	o	1001·1	3·8	2·7	low long SW swell
WS 940	54° 36′ S, 30° 46′ W	14 xi	2102	—	NW	11–16	NW	3	b	999·3	0·4	0·3	mod. short NW swell
WS 941	55° 19′ S, 27° 06′ W	16 xi	2022	—	NW	17–21	NW	4	c	994·8	0·7	0·6	low av. NW swell
WS 942	56° 40′ S, 21° 53′ W	18 xi	2055	—	E × S	17–21	E × S	4	o	976·9	−3·3	−3·5	mod. short E swell
WS 943	56° 57′ S, 17° 21′ W	20 xi	2057	—	ESE	17–21	ESE	3	o	997·8	−3·3	−5·1	low long NNE swell
WS 944	56° 46′ S, 20° 31′ W	23 xi	2020	—	NW	22–27	NW	4	o	1014·2	0·0	−0·6	low av. NW swell
WS 945	57° 21′ S, 24° 17′ W	26 xi	2121	—	WNW	22–27	WNW	4	o	981·8	−0·5	−0·6	low av. NW swell
WS 946	56° 31′ S, 12° 28′ W	9 xii	2100	—	NW × N	11–16	NW × N	3	o	1008·1	0·6	0·5	mod. long W swell
WS 947	57° 22′ S, 10° 09′ W	10 xii	2035	—	NW	22–27	NW	4	o	993·7	−0·1	−0·4	mod. av. NW swell
WS 948	56° 24′ S, 02° 10′ W (In vicinity of drift and pack ice)	15 xii	2130	—	W	28–33	W	3	o	989·0	0·0	−0·5	mod. long WNW swell
WS 949	59° 29′ S, 20° 25′ W	27 xii	2125	—	NW	7–10	NW	3	om	981·4	−0·4	−0·4	low av. conf. NW swell
		1938											
WS 950	61° 21′ S, 46° 43′ W	14 i	2253	—	SSW	17–21	SSW	3	osq	995·2	−2·4	−3·3	low av. SW swell
WS 951	68° 26′ S, 81° 23′ W	25 i	1100	—	ENE	11–16	ENE	3	f	965·9	1·1	1·1	heavy av. NE swell
WS 952	67° 06′ S, 82° 52′ W	28 i	0925	—	E	1–3	E	2	fe	961·1	0·8	0·8	mod. short E × N swell
WS 953	66° 17′ S, 74° 54′ W	29 i	2000	—	NNE	11–16	N × E	3	odm	972·4	2·1	2·1	low long WNW swell
WS 954	65° 03′ S, 69° 03′ W	31 i	2130	—	W	7–10	W	3	o	977·5	1·7	1·1	mod. av. W swell
WS 955	67° 06′ S, 72° 30′ W	15 ii	2246	—	SSE	11–16	SSE	3	c	990·2	−1·7	−2·2	mod. av. NE swell
WS 956	65° 37′ S, 68° 52′ W	18 ii	2200	—	NW × N	7–10	NNW	2	c	1000·5	0·6	0·0	low av. NW swell
WS 957	62° 24′ S, 57° 23′ W	21 ii	2030	—	W	11–16	W	3	bc	980·1	1·6	1·1	low av. N swell
WS 958	60° 32′ S, 56° 54′ W	22 ii	2006	—	WSW	22–27	WSW	4	or	979·5	2·2	2·1	heavy av. WNW swell
WS 959	58° 15′ S, 57° 41′ W	23 ii	2004	—	N	4–6	N	2	c	992·4	3·4	2·9	mod. av. WNW swell

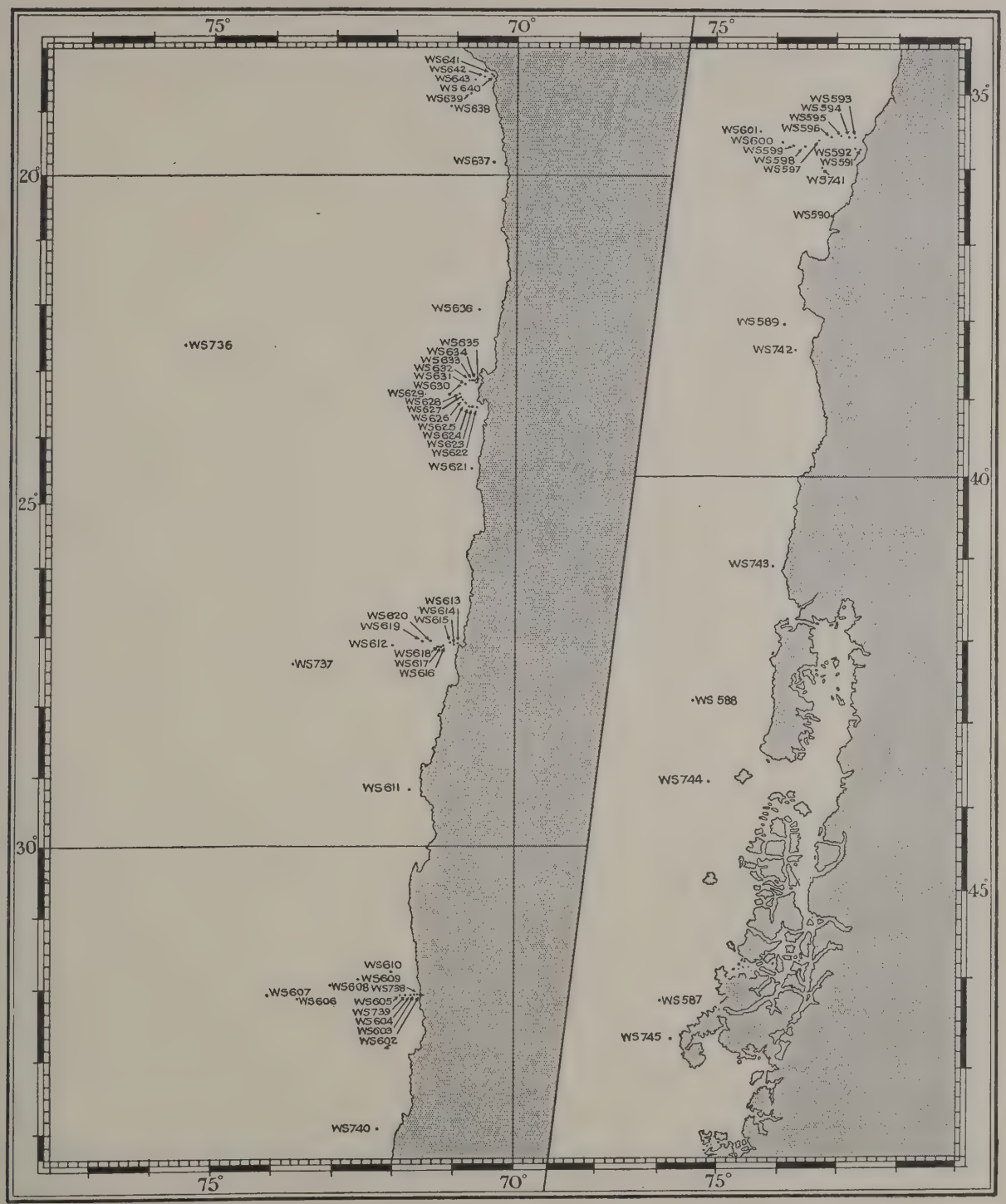
Station	Age of moon (days)	HYDROLOGICAL OBSERVATIONS			BIOLOGICAL OBSERVATIONS				Remarks
		Depth (metres)	Temp. °C.	S °/₀₀	Gear	Depth (metres)	TIME From	TIME To	
WS 938	21	—	7·2	—	**N 100 B**	83–0	**2006**	**2026**	KT. +2 hours
WS 939	26	—	6·7	—	**N 100 B**	88–0	**2011**	**2031**	KT
WS 940	12	—	0·8	—	**N 100 B**	156–0	**2115**	**2135**	KT. +1 hour
WS 941	14	—	1·1	—	**N 100 B**	100–0	**2040**	**2100**	KT
WS 942	16	—	−1·2	—	**N 100 B**	122–0	**2111**	**2131**	KT
WS 943	18	—	−2·2	—	**N 100 B**	77–0	**2112**	**2132**	KT
WS 944	21	0	0·0	33·99	**N 100 H**	10–0	**2025**	**2045**	Streamed on rope. Hauled by hand
WS 945	24	0	−0·1	34·10	**N 100 B**	104–0	**2126**	**2146**	KT
WS 946	7	0	0·4	33·81	**N 100 B**	122–0	**2110**	**2130**	KT
WS 947	8	0	−0·6	33·67	**N 100 H**	5–10	2050	2057	
WS 948	13	0	−0·7	33·99	**N 100 B**	70–0	**2138**	**2158**	KT. GMT
WS 949	25	0	−0·1	33·59	**N 100 B**	94–0	**2140**	**2200**	KT. +1 hour
WS 950	13	—	0·6	—	**N 100 H**	0–5	**2301**	**2306**	+ 3 hours
WS 951	24	0	0·6	33·78	**N 100 B**	137–0	1106	1126	KT. +5 hours
WS 952	27	0	1·1	33·75	**N 100 B**	90–0	0933	0954	KT
WS 953	28	0	2·2	33·74	**N 100 B**	95–0	2007	2027	KT
WS 954	0	0	2·1	33·45	**N 100 B**	100–0	**2148**	**2208**	Depth estimated
WS 955	15	0	1·1	33·71	**N 100 B**	112–0	**2307**	**2327**	KT. +4 hours
WS 956	18	0	1·0	33·31	**N 100 B**	86–0	**2209**	**2229**	KT
WS 957	21	0	1·1	34·08	**N 100 B**	91–0	**2042**	**2102**	KT
WS 958	22	0	2·2	33·93	**N 100 B**	177–0	**2014**	**2034**	KT. Towing against very heavy swell
WS 959	23	0	3·3	33·89	**N 100 B**	90–0	**2010**	**2030**	KT

SUMMARIZED LIST OF STATIONS

The positions of all stations made by the R.R.S. 'William Scoresby' between April 1931 and February 1938 are shown on the charts reproduced in Plates XXXIV–XXXVII. The following list indicates on which chart each of the stations is to be found.

Station	Date	Place	Plate
WS 576	17. iv. 31	Falkland Islands	XXXVI
WS 577–579	20. iv–22. iv. 31	Falkland Islands—Magellan Strait	XXXVI
WS 580–585	23. iv.–4. v. 31	Magellan Strait	XXXVI
WS 586	8. v. 31	Off southern coast of Chile	XXXVII
WS 587–590	10. v.–16. v. 31	Off southern coast of Chile	XXXIV
WS 591–643	18. v.–19–20. vi. 31	Peru Current Survey	XXXIV
WS 644–735	20. vi.–23. viii. 31	Peru Current Survey	XXXV
WS 736–741	25. viii.–4. ix. 31	Peru Current Survey	XXXIV
WS 742–745	5. ix.–10. ix. 31	Off southern coast of Chile	XXXIV
WS 746–749	16. ix.–18. ix. 31	Magellan Strait	XXXVI
WS 750–755	19. ix.–21. ix. 31	Magellan Strait—Falkland Islands	XXXVI
WS 756–878	10. x. 31–4. iv. 32	Trawling Survey, Patagonian Shelf	XXXVI
WS 879–882	5. iv–19. iv. 32	Falkland Islands—Monte Video	XXXVI
WS 883–895	31. xii. 34–20. ii. 35	Whale-marking Cruise	XXXVII
WS 896–922	27–28. xii. 35–31. iii. 36	Whale-marking Cruise	XXXVII
WS 923–937	7. xii. 36–16. iii. 37	Whale-marking Cruise	XXXVII
WS 938–959	25. x. 37–23. ii. 38	Whale-marking Cruise	XXXVII

PLATES XXXIV—XXXVII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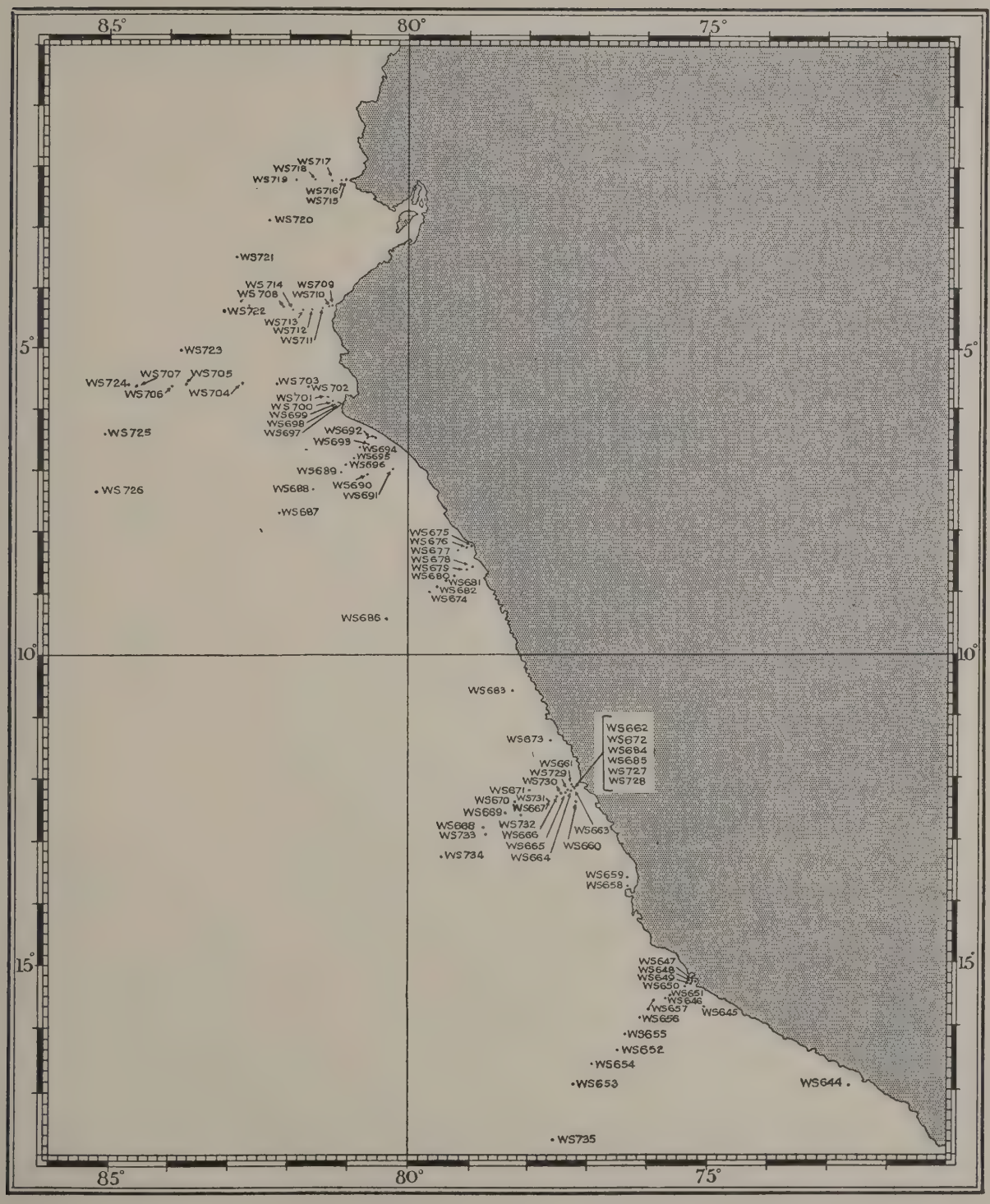
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